Update: 02/22/2022

Curriculum Vitae

Dimiter Bogdanov Avtanski, Ph.D.

Director, Gerald J. Friedman Diabetes Institute Research Laboratory, New York, New York
Associate Professor of Medicine at Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hampstead, New York
Assistant Professor at Feinstein Institutes for Medical Research, Manhasset, New York

Contact Information and Profiles

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Summary

- Endocrinology and Oncology basic science researcher with 20 years of experience. Proficient in multiple laboratory techniques.
- Research laboratory director with experience in organizing day-to-day laboratory activities and managing staff.
- Experienced in new laboratory design, setup and laboratory certifications.
- Experienced in grant applications.
- Experienced in clinical research studies and IRB submissions.
- Proficient scientific writing and presentation skills.
- Involved in a variety of teaching activities for medical fellows, PhDs, college and high school students.
- Journal editor and active peer reviewer (handled 350+ manuscripts).

Education (Brief)

2011-2015	**Post-Doctoral Fellowship**, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University, Baltimore, Maryland, USA
2008-2011	**Post-Doctoral Fellowship**, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
2007	**Ph.D.**, Bulgarian Academy of Sciences, Sofia, Bulgaria and Beth Israel Medical Center, New York, USA
2000	**M.Sc.**, Sofia University, Sofia, Bulgaria

Professional Positions

2019-current **Assistant Professor**
Institute of Bioelectronic Medicine, Feinstein Institutes for Medical Research, Manhasset, New York, USA

2019-current **Associate Professor of Medicine**
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York, USA

2015-2019 **Assistant Professor of Medicine**
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hempstead, New York, USA

2016-current **Director, Endocrine Research Laboratory**
Gerald J. Friedman Diabetes Institute, Lenox Hill Hospital, Northwell Health, New York, New York, USA

2015 **Adjunct Assistant Professor**
Department of Reproductive Biotechnologies and Cryobiology of Gametes, Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria

2001-2010 **Research Associate, 1st Degree** (2008-2010)
Research Associate, 3rd Degree (2002-2008)
Biologist Specialist (2001-2002)
Department of Immunoneuroendocrinology, Institute of Biology and Immunology of Reproduction *"Acad. Kiril Bratanov"*, Bulgarian Academy of Sciences, Sofia, Bulgaria

2000-2001 **Visiting Scientist**
Institute of Anatomy, Faculty of Medicine, University of Leipzig, Leipzig, Germany
Research project: *"Ovarian macrophages as neuroendocrine cells in the ovarian cycle"*
Mentor: Prof. Katharina Spanel-Borowsky, M.D., Ph.D.

Education (Extended)

2011-2015 **Post-Doctoral Fellow**
Department of Oncology, Breast Cancer Program, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
Research project: *"Role of adipocytokines in initiation and progression of breast cancer"*
Mentor: Prof. Dipali Sharma, Ph.D.

2008-2011 **Post-Doctoral Fellow**
Division of Endocrinology and Metabolism, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
Research project: *"Role of estrogens on somatotroph hormonal production"*
Mentor: Prof. Sally Radovick, M.D.

2007 **Ph.D. (Physiology, Pathophysiology, and Pharmacology)**
Collaboration between the Institute of Biology and Immunology of Reproduction at the Bulgarian Academy of Sciences, Sofia, Bulgaria and the Department of Endocrinology and Metabolism at Beth Israel Medical Center, Albert Einstein College of Medicine, New York, New York, USA
Dissertation thesis: *"Role of Peroxisome Proliferator-Activated Receptor-γ (PPARγ) in the human ovary"*
Mentors: Prof. Leonid Poretsky, M.D., Assoc. Prof. Donna Seto-Young, Ph.D., Assoc. Prof. Rossitza Konakchieva, Ph.D.

2000 **M.Sc. (Biology and Chemistry)**

Sofia University, Sofia, Bulgaria
Master theses:

1) Master thesis 1: *"Steroidogenic function of the muscus duck ovary (Cairina moschata, L.)"*, Department of Cell Biology, Histology, and Embryology, Faculty of Biology
   Mentor: Assoc. Prof. Vesselin Penkov, Ph.D.
2) Master thesis 2: *"Model of educational software: Nitrogen cycle in nature"*, Department of Methodology of Biology Education and Department of Methodology of Chemistry Education, Faculty of Biology and Faculty of Chemistry
   Mentor: Assoc. Prof. Natalia Tzanova, Ph.D.

1996-2000 **Student (Biology & Chemistry)**
Faculty of Biology, Sofia University *"St. Kliment Ochridsky"*, Sofia, Bulgaria

1995-1996 **Student (Biology & Chemistry)**
Faculty of Biology, Plovdiv University *"Paisiy Hilendarski"*, Plovdiv, Bulgaria

Experience

- Basic science and clinical research
- New laboratory set up: *architecture design, laboratory equipment set up, laboratory certification procedures, chemical user authorizations, biosafety certifications, etc.*
- Laboratory management: *general laboratory management and maintenance of standard laboratory equipment*
- Research projects design
- Institutional Review Board (IRB) documentation
- Research grants application
- Mentoring laboratory personnel: *technicians, research fellows, scientists, volunteers, etc.*
- Science writing: *manuscripts, science text, reports, etc.*
- Editorial activities: *editor assignments, peer reviews*

Research Support

2022-2023 **Effects of synthetic mono-carbonyl curcumin analogues on diabetes via modulation of oxidative stress and inflammation**
Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant
Role: Principal Investigator

2021-2022 **The role of irisin in human reproduction**
Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant
Role: Co-Investigator

2021-2022 **Investigation of the molecular mechanisms by which hypoxia modulates cytokine secretion in breast cancer cells**
Sponsor: Lenox Hill Hospital and MEETH Research Award, Donald and Barbara Zucker grant
Role: Principal Investigator

2019-current **Role of hypoxia in modulating cytokine secretion in breast cancer cells**
Sponsor: Gerald J. Friedman Diabetes Institute
Aim: To establish a molecular mechanism by which hypoxia modulates cytokine secretion in breast cancer cells.
Role: Principal Investigator

2019-current **Role of inflammatory cytokines in affecting the outcome from *in vitro* fertilization procedure**
Sponsor: Katz Institute for Women's Health, Michael Kors Research Innovations Grant

Aim: To explore how chronic inflammation modulates the success of infertility treatment in women undergoing in vitro fertilization (IVF) procedure.
Role: Principal Investigator

2019-current **Transgender health aging study and registry**
Sponsor: Empire Clinical Research Investigator program (ECRIP), New York State Department of Health
Aim: (1) To establish a registry of transgender individuals for collaboration in future research projects; (2) To investigate conventional and novel cardiovascular risk factors in transgender individuals receiving gender-affirming hormone therapy using body composition, biomarkers, and noninvasive cardiovascular imaging.
Role: Mentor

2017-current **Role of resistin in obesity-induced insulin resistance**
Sponsor: Gerald J. Friedman Diabetes Institute
Aim: To investigate the mechanism by which the proinflammatory cytokine resistin modulates insulin sensitivity of peripheral tissues.
Role: Principal Investigator

2017-current **Reproductive effects of irisin**
Sponsor: Gerald J. Friedman Diabetes Institute
Aim: To investigate how myo- and adipokine irisin impacts the hypothalamus-pituitary-gonadal axis.
Role: Sub-Investigator

2017-current **Advanced glycation end-products (AGEs) and cardio-vascular complications in patients with diabetes**
Sponsor: Gerald J. Friedman Diabetes Institute
Aim: To investigate the predictive value of N(6)-Carboxymethyllysine (CML), pentosidine and the soluble receptor for AGEs (sRAGE) for the development of cardio-vascular complications in patients with type 2 diabetes.
Role: Sub-Investigator

2017-2019 **Obesity as a multifactorial disease: energy metabolism, insulin resistance, microbiome and endoscopic bariatric intervention in human obesity**
Sponsor: Empire Clinical Research Investigator program (ECRIP), New York State Department of Health
Project description: This center grant lied the foundation of an interdisciplinary obesity research center at Lenox Hill Hospital in New York City. The center used a multidisciplinary approach involving clinicians and basic science researchers to advance the knowledge on the pathophysiology of obesity and insulin resistance.
Role: Mentor

Institutional Review Board (IRB) Projects

2020 Multidisciplinary research to study cardiovascular and bone density health in transgender individuals, Northwell Health IRB, Study PI: Natalie Cusano

2020 (in preparation) Association of the expression of hypoxia-inducible factor 1α (HIF-1α) and various cytokines in breast tumors, Northwell Health IRB

2020 (submitted project) The role of irisin and other cytokines in ovarian physiology, Northwell Health IRB, Study ID: 20-0449

2019 Multidisciplinary registry research of transgender individuals, Northwell Health IRB

2017	Evaluation of the pathophysiological defects in patients with and without irritable bowel syndrome (IBS) and small intestinal bacterial overgrowth (SIBO), Northwell Health IRB, Study ID: 17-0274-LHH
2017	Evaluating serum concentrations of advanced glycation end-products as a predictor of coronary artery disease, Northwell Health IRB, Study ID: 17-0676-LHH
2017	Role of CAP1 in mediating resistin action in obesity-induced insulin resistance, Northwell Health IRB, Study ID: 16-772-LHH
2017	The effects of structured outpatient diabetes program on the hospital readmission rates in patients with diabetes (SODP-HRAR), Northwell Health IRB, Study ID: HS16-0156-NS

Professional Service

Committees

2021	**Limited Submission Grants – Executive Committee Member** Northwell Health, New York
2019-2020	**Selection Committee Member** *Summer Research Program 2020* Feinstein Institutes for Medical Research, Manhasset, New York
2018	**Advisory Board Member** *Elsevier*
2016-current	**Program Evaluation Committee (PEC) Member** *Endocrine Fellowship Program Evaluation Committee (PEC)* Lenox Hill Hospital, Northwell Health*, New York, New York*
2008-2009	**Vice President and Head of International Committee** *Johns Hopkins Post-Doctoral Association (JHPDA)* Johns Hopkins University, Baltimore, Maryland

Judge

2022	**Grant Reviewer** Donald and Barbara Zucker School of Medicine at Hofstra/Northwell
2022	**Abstract Reviewer** *The Endocrine Society's Annual Meeting and Expo (ENDO 2022)*, June 11th-14th, 2022, Atlanta, Georgi
2022	**Abstract Judge** WAC Lighting Foundation Invitational Science Fair Virtual
2021	**Abstract Judge** *WAC Lighting Foundation Invitational Science Fair* Virtual
2021	**Poster Judge** *Academic Competition & Research* Symposium, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Virtual
2020	**Abstract Judge** *Academic Competition & Research Symposium Awards Day: The 55th Annual Academic Competition and The 15th Annual Teachers of the Year*, June 3rd, 2020, Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York, * *Due to COVID-19 crisis, the event was held virtually.*

2020 **Abstract Judge**
WAC Lighting Foundation Invitational Science Fair
Jericho High School, Jericho, New York, * *Due to COVID-19 crisis, the event was cancelled.*

2019 **Mentor and Poster Judge**
Mentoring and Poster Reception
The Endocrine Society's 101st Annual Meeting and Expo, March 24th, 2019, Ernest N. Morial Convention Center, New Orleans, Louisiana

2018 **Poster Judge**
Mentoring and Poster Reception
The Endocrine Society's 100th Annual Meeting and Expo, March 18th, 2018, Hyatt Regency McCormick Place, Chicago, Illinois

Memberships in Professional Organizations

2019-present New York Academy of Sciences (NYAS)
2019-present International Cytokine & Interferon Society (ICIS)
2018-present European Society of Human Reproduction and Embryology (ESHRE)
2017-present American Diabetes Association (ADA)
2012-present American Association for Cancer Research (AACR)
2008-present Johns Hopkins Post-Doctoral Association (JHPDA)
2004-present Endocrine Society (ENDO)

Teaching Activities

Programs

2021-current **Senior Experience Internship Program**
Bergen County Academies (BCA), Hackensack, New Jersey
Description: Internship program for BCA students.

2019-current **Summer Research Program**
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hampstead, New York
Role: Mentor
Description: Summer research elective rotation program for first year medical students.

2018-current **Medical Scholars Pipeline Program (MSPP)**
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hampstead, New York
Role: Facilitator
Description: The MSPP provides an educational pathway for underrepresented in medicine (URM) students from the five boroughs of New York City, Nassau County, and Suffolk County, New York to enter the healthcare professions. The MSPP works collaboratively with the Gateway Institute for Pre-College Education at The City College of New York to recruit and support URM students in their higher education goals and pursuit of health careers. The program serves high school students who are rising juniors, rising seniors, and rising college freshmen.

2018-current **Endocrinology Basic Science Research Elective**
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hofstra University, Hampstead, New York
Role: Mentor
Description: Created an elective course (4276: Endocrinology Basic Science Research) for 4th year medical students at Hofstra University.

2017-current **Basic Science Research Rotation**
Lenox Hill Hospital, Northwell Health, New York, New York
Role: Mentor
Description: Developed a research rotation for second year medical fellows at the Division of Endocrinology at Lenox Hill Hospital, Northwell Health.

2017-current **Feinstein Institutes Summer Intern Program**
The Feinstein Institutes for Medical Research, Manhasset, New York
Role: Mentor
Description: Summer research program for high school and college students.

2010 **7th Framework Program of the European Union**
Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria
Role: Lecturer
Description: Developed and lectured methodological seminar *"Quantitative RT-PCR analysis – opportunities, advantages, and uses in reproductive biology"* under the 7th Framework Program of the European Union *"Unlocking and development the research potential in the EU's convergence and outermost regions"*; Project # FP-7-REGPOT-2009-1.

2010-2012 **Bulgarian Academy of Sciences teaching activities**
Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia, Bulgaria
Role: Lecturer and Research Associate
Description: Developed various teaching activities under the 7th Framework Program of the European Union *"Unlocking and development the research potential in the EU's convergence and outermost regions"*; Project: *"Reinforcement of the research capacity of the Bulgarian Institute of Biology and Immunology of Reproduction"*; Project # FP-7-REGPOT-2009-1.

1999-2004 **Teacher in Biology and Chemistry**
Professional Technical High School of Electronics *"John Atanasoff"*, Sofia, Bulgaria
Role: Teacher
Description: Taught Biology and Chemistry classes to 8th, 9th, 10th, and 11th grade students.

PhD Thesis Reviewer

2021-2022 **Sarayu Gopal**, Department of Endocrinology, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry, India
PhD thesis title: *"Expression profile of follicular helper T-cell signature genes in young ethnic South Indian population with diabetes mellitus"*

MSc Program Advisor

2021-2022 **Radoslav Stojchevski, BSc**, Department of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia

Mentorship

Friedman Diabetes Institute at Lenox Hill Hospital

06/2021-08/2021 **Amna Aslam**, Summer Student, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York
10/2021 **Dmitri Zbarsky, MD**, Visiting Scholar, Tel Aviv Sourasky Medical Center-Ichilov, Tel Aviv, Israel
09/2021-05/2022 **Harnoor Sachar**, Intern, Bergen County Academies Senior Experience Program, Bergen County Academies (BCA), Hackensack, New Jersey
08/2021-12/2021 **Elitsa Pavlova, PhD**, Fulbright Scholar, Fulbright Student Program, Sofia University, Sofia, Bulgaria

07/2021-08/2021 **Hannah Son**, Visiting Scholar, College of Human Ecology, Cornell University, Ithaca, New York

07/2021-08/2021 **Ethan Abelev**, Visiting Scholar, George W. Hewlett High School, Hewlett, New York

07/2021-08/2021 **Khaled Alqahtani**, Feinstein Institute Summer Intern, College of Letters and Sciences, UC Berkeley, Berkeley, California

04/2021 **Swetha Murthi, MD**, Fellow, Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health, New York, New York

11/2020-present **Radoslav Stojchevski, BSc**, Friedman Fellow, Division of Endocrinology, Lenox Hill Hospital, Northwell Health, New York, New York; Ss. Cyril and Methodius University, Skopje, North Macedonia

11/2020 **Micheal Frenkel, BSc**, Tufts University, Medford, Massachusetts

11/2020 **Renee Murray-Bachmann, EdD, MSN, CDN, RN, CDE, CPT**, Northwell Health, New York, New York

(cancelled due to COVID-19 crisis [1]) **Madison Fraser**, Hofstra Summer Program, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York

[1] *Student was accepted but Hofstra Summer Program-2020 was cancelled due to COVID-19 crisis.*

(cancelled due to COVID-19 crisis [2]) **Udithi Kothapalli**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Sophomore at St. Anthony's High School, South Huntington, New York; current position: student at Carnegie Mellon University

[2] *Student was accepted but Feinstein Summer Intern Program-2020 was cancelled due to COVID-19 crisis.*

(cancelled due to COVID-19 crisis [2]) **Khaled Alqahtani**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; College of Letters and Sciences, UC Berkeley, Berkeley, California

[2] *Student was accepted but Feinstein Summer Intern Program-2020 was cancelled due to COVID-19 crisis.*

(postponed due to COVID-19 crisis [3]) **Marin Yamaguchi**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; The Birch Wathen Lenox School, New York, New York

[3] *Student was accepted but rotation is currently postponed due to COVID-19 crisis.*

06/2019-08/2019 **Udithi Kothapalli**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, NY; Sophomore at St. Anthony's High School, South Huntington, New York; current position: student at Carnegie Mellon University

06/2019-08/2019 **Leo Satlof**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Ethical Culture Fieldston School, New York, New York; currently a student at Emory University College of Arts and Sciences

06/2019-08/2019 **Noah Ziluck**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Irvington High School, Irvington, New York

06/2019-08/2019 **Maribel Lema**, Hofstra Summer Program, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York

05/2019-06/2019 **Damian Inlall**, Clinical Research Supervisor at Gerald J. Friedman Diabetes Institute at Lenox Hill Hospital, Northwell Health, New York, New York

09/2018-09/2019 **Karin Chen, MD**, New York State Department of Health Empire Clinical Research Investigator Program (ECRIP) Fellow; Gerald J. Friedman Diabetes Institute, New York, New York

07/2018-08/2018 **Aaron B. Lavi**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; North Shore Hebrew Academy Middle School, Great Neck, New York; currently a student at Brooklyn College, Brooklyn, New York

06/2018-10/2018 **Rebecca Jonas**, **MD**, Lenox Hill Hospital, Northwell Health, New York, New York

06/2018-08/2018 **Leo Satlof**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Sophomore at Ethical Culture Fieldston School, New York, New York

05/2018-07/2018 **Kajol Bahl, BSc**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Binghamton University, State University of New York, New York, New York

05/2018-07/2018	**Melanie Kaiser, BA**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Case Western Reserve University, Cleveland, Ohio
05/2018-10/2018	**Daniel K. Weber,** Visiting Scholar, Feinstein Summer Research Program, Feinstein Institutes for Medical Research, Manhasset, New York; Torah Academy of Bergen County, Teaneck, New Jersey; currently a student at Johns Hopkins University, Baltimore, Maryland
06/2018-08/2018	**Awlad Bhuiyan, BSc**, Visiting Scholar, Ross University School of Medicine, Portsmouth, Dominica
02/2018-08/2018	**Mikail J. Koroma, MD**, New York State Department of Health Empire Clinical Research Investigator Program (ECRIP) Fellow; Gerald J. Friedman Diabetes Institute, New York, New York; Georgetown University, Washington, District of Columbia
09/2017-04/2018	**Beatriz C. Caraballo, MD**, Visiting Scientist, University of Carabobo, Maracay, Venezuela
09/2017-03/2018	**Priyanthan Thangeswaran, MD**, Visiting Scholar, Tianjin Medical University, Tianjin, China
08/2017	**Sahej Chohan**, Medical Pipeline High School Student, Thomas A. Edison Career and Technical Education High School, Jamaica, New York
07/2017-08/2017	**Sela Marin**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Columbia Grammar and Preparatory School, New York, New York; currently a student at Johns Hopkins University, Baltimore, Maryland
07/2017-08-2017	**Aaron B. Lavi**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; North Shore Hebrew Academy High School, Great Neck, New York; currently a student at Brooklyn College, Brooklyn, New York
07/2017-08/2017	**Julianna Bianco**, Visiting Scholar, Feinstein Summer Intern Program, Feinstein Institutes for Medical Research, Manhasset, New York; Syosset High School, Syosset, New York
05/2017-08/2017	**Christopher Ronca, BSc**, Visiting Scholar, Columbia University, New York, New York
05/2017-06/2017	**Miroslava Varadinova, MD**, Visiting Scholar, Medical University – Sofia, Sofia, Bulgaria
02/2017-02/2018	**Anabel Garcia Corral**, Gerald J. Friedman Research Fellow, Universidad Del Valle de Mexico, Hermosillo, Sonora, Mexico
12/2016-07/2017	**Valeriia M. Shnayder, MD**, Visiting Scientist, St. Petersburg First Pavlov State Medical University, St. Petersburg, Russia

Johns Hopkins University

2015	**Brian Meyers**, Summer Student, CMM Program, Johns Hopkins University, Baltimore, Maryland
2014	**Brandi Temple**, Summer Student, Summer Internship Program at Xavier University of Louisiana, New Orleans, Louisiana
2014	**Yaileen D. Guzman Avocho**, Summer Student, CUPID Summer Fellowship Program at University of Puerto Rico, San Juan, Puerto Rico
2013	**Timmothy Tiutan**, Summer Student, CUPID Summer Student Research Program at University of Arizona College of Medicine, Tucson, Arizona
2013	**Maran Palaniappan**, Summer Student, Johns Hopkins University, Baltimore, Maryland
2013	**Kabir Chhabra**, Summer Student, Johns Hopkins University, Baltimore, Maryland
2011	**Estefania Zapata-Rodriguez**, Summer Student, STEPUP Program, NIDDK, University of Puerto Rico, Mayagüez, Puerto Rico

Beth Israel Medical Center

2004-2008	Training of research fellows, residents, and summer research students in the Endocrinology Research Laboratory at Beth Israel Medical Center, Albert Einstein College of Medicine, New York, New York

Editorial Activities

Editor Positions

2021	**Topic Board Editor** *Cancers* (MDPI) [https://www.mdpi.com/journal/cancers/topic_editors]

2021 **Editorial Team Member – Cancer Diagnosis and Treatment**
SciMedicine Journal, ISSN: 2704-9833
[https://scimedjournal.org/index.php/SMJ/about/editorialTeam]

2020 **Guest Editor**
Journal of Visualized Experiments (JoVE)
Methods Collection *"Methods in Endocrine Metabolism"*
[https://www.jove.com/methods-collections/731]

2020 **Associate Editor**
BMC Endocrine Disorders (BMC, Springer Nature)
[https://bmcendocrdisord.biomedcentral.com/about/editorial-board]

2018 **Associate Editor**
Molecular Medicine (BMC, Springer Nature)
[https://molmed.biomedcentral.com/about/editorial-board]

2018 **Handling Editor**
Annals of Medical and Clinical Oncology (Gavin Publishers)

2018 **Section Editor**
Journal of Food Science and Nutrition Research (Fortune Journals)

Editorial Board Memberships

2020 **Editorial Board Member**
European Journal of Experimental Biology (Insight Medical Publishing)
(https://www.imedpub.com/european-journal-of-experimental-biology/editors.php)

2020 **Editorial Board Member**
Microorganisms (MDPI)

2020 **Editorial Board Member**
SciMedicine Journal (ITAL Publication)

2020 **Editorial Board Member**
Biomedical Reports (Spandidos Publications)

2020 **Editorial Board Member**
Endocrine Disorders (BMC, Springer Nature)

2020 **Editorial Board Member**
Healthcare (MDPI)

2018 **Editorial Board Member**
International Journal of Clinical Oncology and Cancer Research (Science Publishing Group)

2018 **Editorial Board Member**
Molecular Medicine Letters (Gratis Open Access Publishers)

2018 **Editorial Board Member**
World Journal of Diabetes (Baishideng Publishing Group)

Editor Assignments (as of 02/22/22)

Total number: 179
Number of journals: 5
List of journals: *Molecular Medicine* (BMC Springer Nature)
BMC Endocrine Disorders (BMC Springer Nature)
Journal of Diabetes and Clinical Research (Scientific Archives LLC)
Journal of Food Science and Nutrition Research (Fortune Journals)

Annals of Medical and Clinical Oncology (Gavin Publishers)

Journal Peer Reviews (as of 02/22/22)

Total number: 748
Number of journals: 82
List of journals:
Oncogene (Nature Publishing Group), IF (2014): 8.459
Cancer Letters (Elsevier), IF (2019): 7.360
Oncotarget (Impact Journals LLC), IF (2014): 6.359
Metabolism, Clinical and Experimental (Elsevier), IF (2017): 5.777
Molecular Medicine (The Feinstein Institute for Medical Research), IF (2013): 4.824
Journal of Endocrinology (Bioscientifica Ltd.): 4.041
Endocrine (Springer Nature), IF (2014): 3.878
Nutrition, Metabolism & Cardiovascular Diseases (Elsevier), IF (2015/2016): 3.630
Journal of Pharmacy and Pharmacology (Wiley-Blackwell, Royal Pharmaceutical Society of Great Britain), IF (2014): 2.264
Bioelectronic Medicine (Springer Nature)
Cell Biology and Toxicology (Springer Nature)
Biomedicine & Pharmacotherapy (Elsevier)
Cells (MDPI)
Cardiovascular & Hematological Disorders – Drug Targets (Betham Science)
Current Nanomaterials (Bentham Science)
Endocrine, Metabolic & Immune Disorders – Drug Targets (Bentham Science), IF (2017): 1.897
World Journal of Diabetes (Baishideng Publishing Group)
International Journal of Plant Biology & Research (JSciMed Central)
Advances in Environmental Studies (Scholarity Pages)
Current Bioactive Compounds (Bentham Science)
International Journal of Women's Health and Wellness (ClinMed International Library)
World Journal of Clinical Cases (Baishideng Publishing Group)
Medical Science Monitor (International Scientific Information)
Current Drug Delivery (Bentham Science Publishing)
Biomedical and Pharmacology Journal (Oriental Scientific Publishing Company)
Current Bioactive Compounds (Bentham Science Publishers)
Oncology Letters (Spandidos Publications)
Nutrients (MDPI)
Endocrine, Metabolic & Immune Disorders–Drug Targets (Bentham Science Publishers)
International Journal of Molecular Sciences (MDPI), IF (2018) = 4.183
Cancer Management and Research (Dove Medical Press Ltd.)
International Journal of Diabetes and Clinical Research
International Journal of Plant Biology & Research (JSciMed Central)
Molecular Medicine Reports (Spandidos Publications)
World Journal of Stem Cells (Baishideng Publishing Group)
3 Biotech (SpringerOpen)
Archives of Microbiology (Springer Nature)
Cancers (MDPI)
Experimental and Therapeutic Medicine (Spandidos Publications)
Inorganic Chemistry Communications (Elsevier)
Journal of Basic Microbiology (Wiley)
Journal of Cancer (Ivyspring International Publisher)
Journal of Cancer Treatment & Diagnosis
Molecular and Clinical Oncology (Spandidos Publications)
OncoTargets and Therapy (Dove Medical Press Ltd.)
Open Biology (The Royal Society)
World Journal of Clinical Oncology

Aging (Impact Journals LLC)
American Journal of Case Reports (International Scientific Information)
Annals of Gynecology and Obstetrics
Biomolecules (MDPI)
Cancer Biomarkers (IOS Press)
Cancer Research and Cellular Therapeutics
Clinical Oncology Research and Reports
Clinical Research: Open Access
Frontiers in Oncology (Frontiers)
International Journal of Cancer (Wiley)
International Journal of Environmental Research and Public Health (MDPI)
International Journal of Experimental Pathology (Wiley)
International Journal of Oncology (Spandidos Publications)
International Journal of Women's Health and Wellness (ClinMed International Library)
Journal of Cancer Research and Therapeutics (Medknow Publications)
Journal of Cancer Science and Research (OMICS Publishing Group)
Journal of Clinical Case Studies
Journal of Clinical Medicine (MDPI)
Journal of Food Science and Nutrition (Herald Open Access)
Journal of Investigative Medicine (BMJ Publishing Group)
Journal of Network Medicine and Targeted Therapies
Journal of Pharmacy and Pharmacology (Wiley)
Mini-Reviews in Medicinal Chemistry (Bentham Science Publishers)
Oncology Reports (Spandidos Publications)
World Journal of Cardiology (Baishideng Publishing Group)
World Journal of Gastroenterology (Baishideng Publishing Group)
World Journal of Meta-analysis
Current Research in Nutrition and Food Science
Etc.

Abstract Reviews

Total number: 2
2020 Endocrine Society's Annual Meeting 2021 and Expo (ENDO 2021)
2022 Endocrine Society's Annual Meeting 2022 and Expo (ENDO 2022)

Book Peer Reviews

Total number: 1
2021 Bentham Science Publishers

Book Chapter Peer Reviews

Total number: 1
2020 STEMIO eBooks

Company Reviews

Total number: 1
2017 Diagrams review: *Contribution of soluble factors to EMT*
Cell Signaling Biotechnology, Danvers, Massachusetts
(https://www.cellsignal.com/contents/science-cst-pathways-stem-cell-markers/contribution-of-soluble-factors-to-emt-interactive-signaling-pathway/pathways-emt-soluble-factors).

Grant Reviews

2022 Limited Submission Grants (Northwell) (Women's Manhasset Coalition Against Breast Cancer (WMCABC)

Recognitions and Awards

2020 **Outstanding Editorial Board**
World Journal of Diabetes (BPG)

2020 **Recognized Reviewer**
Cancer Letters, Elsevier

2020 **Recognized Reviewer**
Biomedicine and Pharmacotherapy journal, Elsevier

2020 Recognition: **One of most well-cited articles of the last two years**
Molecular Medicine journal, BMC, Springer Nature

2020 **Reviewer of the Quarter** (Second Quarter of 2020)
Molecular Medicine journal, BMC, Springer Nature
https://molmed.biomedcentral.com/about/rotq

2020 **Best Reviewer of the Month** (June, 2020)
Biomedical and Pharmacology Journal, Oriental Scientific Pub. Co.

2020 **Excellent Contribution Recognition**
Current Research in Nutrition and Food Science journal, Enviro Research Publishers

2020 **Most Active Reviewer in research field 'Biochemistry & Molecular Biology' on Publons**
Ranked position #1 (among 21,948 researchers) for number of peer reviews performed for the last 12 months in research field *'Biochemistry & Molecular Biology'* on Publons

2020 **Outstanding Reviewer**
Biomedical and Pharmacology Journal, Oriental Scientific Pub. Co.

2020 **Excellence in Reviewing Award**
International Journal of Oncology, Spandidos Publications

2019 **Michael Kors, Inc. Research Innovations Grant Award**
Awarded $15,000 for project *"Role of inflammatory cytokines in affecting the outcome from in vitro fertilization procedure"*

2019 **Top 1% Peer Reviewer Awards**
Awarded for top 1% of reviewers in categories *'Clinical Medicine'* and *'Cross-Field'* on Publons global reviewer database, Web of Science Group

2019 **Recognized Reviewer Award**
Inorganic Chemistry Communications journal, Elsevier

2019 **First Place Poster Award**
6th Evening of Research, 2nd Annual Poster & Podium Presentations, May 15th, 2019, Lenox Hill Hospital, Northwell Health, New York, New York

2019 **Grant Proposal Selection**
Project proposal *"Role of hypoxia in modulating cytokine secretion in breast cancer cells"* selected to be the official Northwell Health grant proposal to Mary Kay Foundation

2019 **Grant Proposal Selection**
Project proposal *"Mechanism of resistin-induced metastasis in breast cancer"* selected to be the official Northwell Health grant proposal to Manhasset Women's Coalition Against Breast Cancer

2018 **Outstanding Contribution in Reviewing Award**
Biomedicine & Pharmacotherapy journal, Elsevier

2018 **Outstanding Contribution in Reviewing Award**
Metabolism journal, Elsevier

2018 **Top 1% Peer Reviewer Award**
Awarded for top 1% in field *'Biology & Biochemistry'* on Publons global reviewer database, Web of Science Group

2018 **Recognized Reviewer Award**
Biomedicine & Pharmacotherapy journal, Elsevier

2018 **Student award**
Student Aaron Lavi awarded third place in Biology, *SAAWA Science Fair*, Nassau County, New York

2018 **Student award**
Student Aaron Lavi recognized with high honors, Senior Division, *Long Island Science Congress*, STANYS, New York

2018 **Highly Influential Article Recognition**
Article *"Both Estrogen Receptor alpha and beta Stimulate Pituitary GH Gene Expression"* included in Highly Influential Expert database, BPG

2018 **Poster Recognition**
Abstract *"Resistin increases breast cancer metastatic potential by inducing epithelial to mesenchymal transition and stemness"* selected for poster presentation at Northwell Health *2018 Academic Awards Day*, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York

2018 **Poster Recognition**
Poster *"Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming"* selected for inclusion in a moderated poster session at *The Endocrine Society's Annual Meeting (ENDO-2018)*, Chicago, Illinois, USA

2018 **Grant Proposal Selection**
Project proposal *"Role of resistin in mediating obesity-induced breast cancer progression"* selected to be the official Northwell Health grant proposal to Mary Kay Foundation

2017 **Outstanding Reviewer Award**
Nutrition, Metabolism and Cardiovascular Diseases journal, Elsevier

2017 **Recognized Reviewer Award**
Nutrition, Metabolism and Cardiovascular Diseases journal, Elsevier

2017 **Recognized Reviewer Award**
Metabolism journal, Elsevier

2017 **First Place Abstract Award**
Awarded $3,000 at the *3rd Lenox Hill Evening of Research*, The Auxiliary of Lenox Hill Hospital, New York, New York

2017 **Poster Recognition**
Abstract *"Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model"* selected for presentation at the *2017 Rachmiel Levine-Arthur Riggs Diabetes Research Symposium*, Orlando, Florida, USA

2016 **Outstanding Reviewer Award**
Metabolism journal, Elsevier

2016 **Top 100 Peer Reviewers Award**

Awarded for Top 100 peer reviewers in category *"Biochemistry, Genetics and Molecular Biology"* on Publons global reviewer database, Web of Science Group

2010 **Photography Award**
Award winner and photograph work publication, *National Geographic* magazine (USA), *Daily Dozen* award for the photography *"Fishermen in the Gulf of Mexico"*, February 9th, 2010

2004-2008 **Fellowship Award**
Four years fellowship from *Thanks To Scandinavia Foundation*, New York, New York

Citation Indices

Google Scholar

Citation Indices	All	Last 5 years
Citations	848	487
h-index	13	12
i10-index	15	13

Publications

Research Publications

1. Stojchevski R, Singer T, Ziskovich K, Poretsky L, **Avtanski D**. *In vitro* treatment of human granulosa cells with irisin and leptin: Quantitative RT-PCR array data (female infertility panel). 2022 *Data Brief.*, 107781
2. Nagalingam A, Siddharth S, Parida S, Muniraj N, **Avtanski D**, Kuppusamy P, Elsey J, Arbiser JL, Győrffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen by coordinating a crosstalk between Med1, miR205 and ErbB. *NPJ Breast Cancer*, 2021, 7(1),1-13
3. Basman C, **Avtanski D**, Fishman S, Rashid U, Kodra A, Chen K, Jonas R, Stoffels G, Lesser M, Inlall D, Ziskovich K, Singh V, Poretsky L. Glycosylated hemoglobin, but not advanced glycation end-products, predicts severity of coronary artery disease in patients with or without diabetes. *Metabolism Open*, 2020, 7, 100050 [https://doi.org/10./1016/j.metop.2020.100050]
4. Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Cytokine secretion in breast cancer cells–MILLIPLEX assay data. *Data Brief*, 2020, 28:104798. DOI: https://doi.org/10/1016/j.dib.2019.104798
5. **Avtanski D**, Pavlov VA, Tracey KJ, Poretsky L. Characterization of inflammation and insulin resistance in high-fat diet-induced C57Bl/6J mouse model of obesity. *Animal Model Exp Med*, 2019, 2:252-8. DOI: 10.1002/ame2.12084
6. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Poretsky L. *In vitro* effects of resistin on epithelial to mesenchymal transition (EMT) in MCF-7 and MDA-MB-231 breast cancer cells–qRT-PCR and Western blot analyses data. *Data Brief*, 2019, 25:104118. DOI: https://doi.org/10.1016/j.dib.2019.104118
7. **Avtanski D**, Chen K, Poretsky L. Resistin and adenylyl cyclase-associated protein 1 (CAP1) regulate the expression of genes related to insulin resistance in BNL CL.2 mouse liver cells. *Data Brief*, 2019, 25:104112. DOI: 10.1016/j.dib.2019.104112
8. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Poretsky L. Resistin induces breast cancer cells epithelial to mesenchymal transition (EMT) and stemness through both adenylyl cyclase-associated protein 1 (CAP1)-dependent and CAP1-independent mechanisms. *Cytokine*, 2019, 120:155-64. https://doi.org/10.1016/J.CYTO.2019.04.016 (IF = 3.488)
9. Seto-Young D, **Avtanski D**, So-Young K, Sy V, Liao E, Liu G, Wan S, Lesser M, Poretsky L. Insulin-like growth factor (IGF)-I, IGF-binding protein (IGFBP)-1, and fibroblast growth factor (FGF) 21 serum levels in Chinese women with and without gestational diabetes. *Clinical Obstetrics, Gynecology and Reproductive Medicine*, 2017, **3(5):**1-4. DOI: 10.15761/COGRM.1000194
10. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with *versus* those without *diabetes mellitus* at an urban teaching hospital. *J Diabetes Complications*, 2017, 31(12):1681-5. DOI: 10.1016/k/diacomp.2017.07.006 (IF = 3.290)

11. Poretsky L, Islam J, **Avtanski D**, Lin YK, Shen YL, Hirth Y, Lesser M, Rosenwaks Z, Seto-Young D. Reproductive effects of irisin: Initial *in vitro* studies. *Reprod Biol*, 2017, 17:285-288. DOI: 10.1016/j.reprobio.2017.05.011 (IF = 1.722)
12. **Avtanski D**, Nagalingam A, Tomaszewski JE, Risbood P, Difillippantonio MJ, Saxena NK, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits growth, invasion and migration of breast cancer cells via activation of p53-miR34a axis. *Mol Oncol*, 2016, 10(7):1118-32 (IF = 5.331)
13. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of components of Wnt signaling pathway and markers of bone mineralization. *Horm Metab Res*, 2016, 48(7):468-75, DOI: 10.1055/s-0042-101027 (IF = 2.121)
14. **Avtanski D**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D. Honokiol activates LKB1-miR-34a axis and antagonizes the oncogenic actions of leptin in breast cancer. *Oncotarget*, 2015, 6(30):29947-62 (IF = 6.627)
15. **Avtanski D**, Nagalingam A, Kuppusamy P, Bonner, M, Arbiser JL, Saxena N, Sharma D. Honokiol abrogates leptin-induced tumor progression by inhibiting Wnt1-MTA1-β-catenin signaling axis in a microRNA-34a-dependent manner. *Oncotarget*, 2015, 6(18):16396-410 (IF = 6.627)
16. **Avtanski DB**, Nagalingam A, Bonner MY, Arbiser JL, Saxena NK, Sharma D. Honokiol inhibits epithelial-mesenchymal transition in breast cancer cells by targeting signal transducer and activator of transcription 3/Zeb1/E-cadherin axis. *Molecular Oncology*, 2014, 8(3):565-80 (IF = 5.935)
17. **Avtanski D**, Novaira H, Wu S, Romero CJ, Kineman R, Lugue RM, Wondisford F, Radovick S. Both Estrogen Receptor Alpha and Beta Stimulate Pituitary GH Gene Expression. *Mol Endocrinol*, 2014, 28(1):40-52 (IF = 4.201)
18. Yan D, **Avtanski D**, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β-catenin activation via Akt/GSK3-dependent and MTA1/Wnt1-dependent pathways. *J Biol Chem*, 2012, 287(11):8598-612 (IF = 4.651)
19. Seto-Young D, **Avtanski D**, Varadinova M, Park A, Suwandhi P, Leiser A, Parikh G, Poretsky L. Differential roles of MAPK-Erk/MAPK-p38 in insulin or insulin-like growth factor-I (IGF-I) signaling pathways for progesterone production in human ovarian cells. *Horm Metab Res*, 2011, 43(6):386-90 (IF = 2.188)
20. Seto-Young D, **Avtanski D**, Parikh G, Suwandhi P, Strizhevsky M, Araki T, Rosenwaks Z, Poretsky L. Rosiglitazone and pioglitazone inhibit estrogen synthesis in human granulosa cells by interfering with androgen binding to aromatase. *Horm Metab Res*, 2011, 43(4):250-6 (IF = 2.188)
21. Seto-Young D, **Avtanski D**, Strizhevsky M, Parikh G, Patel P, Kaplun J, Holcomb K, Rosenwaks Z, Poretsky L. Interactions among peroxisome proliferator activated receptor-γ, insulin signaling pathways and steroidogenic acute regulatory protein in human ovarian cells. *J Clin Endocrinol Metab*, 2007, 92(6):2232-9 (IF = 5.493)
22. **Avtanski D**. Action of thiazolidinediones on the steroidogenesis in the human ovary: *in vitro* study. *Endocrinologya*, 2006, XI(3):170-177
23. Seto-Young D, Paliou M, Schlosser J, **Avtanski D**, Park A, Patel P, Holcomb K, Chang P, Poretsky L. Direct thiazolidine action in the human ovary: insulin-independent and insulin-sensitizing effects on steroidogenesis and insulin-like growth factor binding protein-1 production. *J Clin Endocrinol Metab*, 2005, 90(11):6099-6105 (IF = 6.02)
24. **Avtanski D**, Tzanova N, Boyadjieva E. Model of educational software: Nitrogen cycle in nature (article in Bulgarian). *9eme Session Scientique, Sofia '01, Annuaire de l'Universite de Sofia "St. Kliment Ohridski"*, 2003, 95(4):307-12

Review Articles

1. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *Molecular Medicine*, 2018, **24(1):**29-45

Book Chapters

1. **Avtanski D**, Garcia A, Liao E. Vitamin D and obesity. In: Liao E. (eds) Extraskeletal effects of vitamin D. Contemporary Endocrinology, Humana Press, Cham, 2018, p. 165-81. Print: ISBN 978-3-319-73741-6, Online: ISBN 978-3-319-73742-3, DOI: https://doi.org/10.1007/978-3-319-73742-3_9

Data Repositories

1. Stojchevski R, Poretsky L, **Avtanski D**. Evaluation of the *in vitro* effects of irisin and leptin on human ovarian granulosa cells – PCR array data (female infertility panel). *Mendeley Data*, 2021, V1, DOI: 10.17632/gr3dg36nzx.1

2. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Effect of cobalt(II) chloride ($CoCl_2$) treatment on cytokine secretion in human breast cancer cells–MILLIPLEX assay data. *Mendeley Data*, 2019, V1. DOI: 10.17632/mhgbkthx35.1, http://dx.doi.org/10.17632/mhgbkthx35.1
3. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Basal cytokine secretion in human breast cancer cells and non-carcinogenic breast epithelial cells – 41-cytokine MILLIPLEX assay data. *Mendeley Data*, 2019, V1. DOI: 10.17632/tvt8zm37w5.2, http://dx.doi.org/10.17632/tvt8zm37w5.2

Conference Proceedings

1. **Avtanski DB**, Ziskovich K, Singer T, Yeshua A, Cantor T, Poretsky L. The effects of leptin and irisin on steroidogenic enzyme gene expression in human ovarian granulosa cells – Initial studies. *J Endocr Soc*, 2021, 5(Suppl 1):A772-3. DOI: 10.1210/jendso/bvab048.1571
2. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Optimization of experimental conditions for mimicking hypoxia in cultured breast cancer cells by using cobalt(II) chloride ($CoCl_2$). *Journal of the Endocrine Society*, 2020, Volume 4(Suppl 1):SAT-124. DOI: 10.1210/jendso/bvaa046.1318
3. **Avtanski D**, Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L. Hypoxia effect on cytokine production by breast cancer cells. *Journal of the Endocrine Society*, 2020, Volume 4(Suppl 1):SAT-136. DOI: 10.1210/jendso/bvaa046.1328
4. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *Cancer Research*, 2019, Volume 79(Suppl 13):310. DOI: 10.1158/1538-7445.AM2019-310
5. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent of coronary artery disease assessed by SYNTAX score. *Diabetes*, 2019, Volume 68(Suppl 1):2215-PUB. https://doi.org/10.2337/db19-2215-PUB
6. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *Proceedings of the AACR*, 2019, Volume 60, Apr 2019, Part A: Abstracts 1-2758
7. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Journal of the Endocrine Society*, 2019, Volume 3(Suppl. 1):SAT-334. https://doi.org/10.1210/js.2019-SAT-334
8. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Journal of the Endocrine Society*, 2019, Volume 3(Suppl. 1):SAT-335. https://doi.org/10.1210/js.2019-SAT-335
9. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 3rd International Conference on Nano/Molecular Medicine and Engineering*. Springer Nature, 2018, Volume 24. DOI:10.1186/s10020-018-0032-7
10. **Avtanski D**, Caraballo B, Poretsky L. Targeting resistin signaling pathway as a strategy for enhancing the effect of chemotherapy drugs in reducing breast cancer cells aggressiveness. *J Pharma Care Health Sys*, 2018, 5:37. DOI: 10.4172/2376-0419-C2-029
11. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating insulin actions in mouse liver cells. *Diabetes*, 2018, 67(Suppl 1):1754-P. DOI: https://doi.org/10.2337/db18-1754-P
12. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, ad A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *Endocrine Reviews*, 2018
13. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *Endocrine Reviews*, 2018
14. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difillippantonio M, Mears B, Saxena N, Malhotra S, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. *Cancer Research*, 2016, 76(14):1228. DOI: 10.1158/1538-7445.AM2016-1228

15. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Natural phenolic compound honokiol inhibits leptin-induced epithelial to mesenchymal transition in breast cancer. *Book: Metastasis and Tumor Progression, Neoplasia of Endocrine Tissue, Therapies for Cancer and Tumorigenesis*, Endocrine Society, 2016, p. SUN-104
16. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young DLT. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *Book: New Players and Old Actors in the Regulation of Bone Mass*, Endocrine Society, 2016, p. SUN-352
17. **Avtanski D**, Bonner MY, Tiutan TP, Arbiser JL, Saxena NK, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer: Therapeutic modulation of miR-34a via tumor suppressor LKB1. *Cancer Research*, 2014, 74(19):LB-187. DOI: 10.1158/1538-7445.AM2014-LB-187
18. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research*, 2013, 73(24):P1-07-04. DOI: 10.1158/0008-5472.SABCS13-P1-07-04
19. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *Cancer Research*, 2013, 73(8):299. DOI: 10.1158/1538-7445.AM2013-299
20. **Avtanski DB**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Cancer Research*, 2013, 73(8):5497. DOI: 10.1158/1538-7445.AM2013-5497
21. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S. Estrogens regulate somatotroph hormonal production directly through estrogen receptor-alpha. *Book: Basic/Translational-Pituitary Biology & Tumorigenesis*, Endocrine Society, 2011, p. P1-387. DOI: http://dx/doi.org/10.1210/endo-meetings.2011.PART2.P2.P1-387
22. Twaddell EDP, Miller RS, Romero C, **Avtanski D**, Radovick S. Effect of CBP phorphorylation on growth hormone signaling in the somatotroph. *Book: Basic/Translational-Growth Hormone & Prolactin*, Endocrine Society, 2011, p. P2-338
23. **Avtanski D**, Wondisford F, Radovick S. Enhanced GH gene expression by estrogen receptor activation. *Book: Posters V*, Endocrine Society, 2010, p. P3-241

Other Scientific Publications

1. Shurulinkov, P, **Avtanski D**. Records of Tengmalm's Owl (*Aegolius funereus*) from the Šar Mts, Republic of Macedonia. *Historia Naturalis Bulgarica*, 2018, 28:1-4. Print: ISSN 0205-3640, Online: ISSN 2603-3186, http://www.nmnhs.com/historia-naturalis-bulgarica/

Popular Science Publications

1. **Avtanski D**. The bay of the large seals (article in Bulgarian). *Explorer (Пътешественик)* newspaper (Bulgaria), 2004, Issue 6 (July 26th-August 1st), p. 4
2. **Avtanski D**. The life of the northern elephant seals (article in Bulgarian). *Animal World (Животински Свят)* website (Bulgaria), 2004. http://gergana1.dir.bg/animals/expeditions/index.htm

Presentations

Oral Presentations

1. **Avtanski D**. Obesity and breast cancer – molecular insights. International Symposium on Updates on Obesity, February, 6th-8th, Virtual
2. **Avtanski D.** Characterization of the cytokine secretion profile of breast cancer cells. 7th Edition – *Webinar on Breast Cancer-2021*, July 14th-15th, 2021. [https://cancer.endeavorresearchgroup.com/index.php]
3. **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York
4. Garcia A, Caraballo B, Thangesh P, Bianco J, Marin S, Lavi A, Poretsky L, **Avtanski D**. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *11th Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14th, 2018, held online

5. **Avtanski D**, Caraballo B, Poretsky L. Targeting resistin signaling pathway as a strategy for enhancing the effect of chemotherapy drugs in reducing breast cancer cells aggressiveness. *15th International Conference on Pharmaceutical Formulations & Drug Delivery*, September 17th-18th, 2018, Philadelphia, Pennsylvania. DOI: 10.4172/2376-0419-C2-029
6. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York
7. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100th Annual Meeting & Expo, Session MP19, Moderated Posters: Tumor Biology I*, March 17th-20th, 2018, Chicago, Illinois
8. Garcia A, Caraballo B, Thangeswaran P, Marin S, Bianco J, Lavi A, Ronca C, Poretsky L, **Avtanski D**. Resistin increases breast cancer invasiveness by potentiating cellular mesenchymal transition. *3rd Lenox Hill Evening of Research*, November 30th, 2017, New York, New York – **1st place abstract award**
9. Georgiev G, **Avtanski D**, Konakchieva R. *In vitro* modulation of ovarian cells steroid secretion under glucocorticosteroid resistance *Scientific Session Dedicated at the 70th Anniversary of the Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences*, 2008, Sofia, Bulgaria
10. Araki T, **Avtanski D**, Parikh G, Goldman M, Rosenwaks Z, Poretsky L. Thiazolidinediones inhibit aromatase activity in human granulosa cells by interfering with androgen binding to aromatase. *Department of Medicine, Division of Endocrinology & Metabolism, Beth Israel Medical Center, Albert Einstein College of Medicine*, 2006, New York, New York
11. Seto-Young D, **Avtanski D**, Poretsky L**.** Insulin and peroxisome proliferator activated receptor γ signaling in human ovary – basic mechanisms and clinical implications. *11th International Symposium of Immunology of Reproduction*, 2006, Varna, Bulgaria
12. **Avtanski D**, Seto-Young D, Konakchieva R, Poretsky L. The human ovary – target of PPAR-mediated action of thiazolidinediones. *7th National Congress on Sterility, Contraception and Hormone Replacement Therapy*, 2006, Borovetz, Bulgaria
13. **Avtanski D**, Konakchieva R. Immunomodulation by melatonin. *9th Scientific Session of the Faculty of Biology, Sofia University*, 2001, Sofia, Bulgaria
14. **Avtanski D**, Kehayov I, Konakchieva R. Calcium-binding proteins of the S100 family are targeted by glucocorticoids in process of differentiation and apoptosis. *9th Scientific Session of the Faculty of Biology*, Sofia University, 2001, Sofia, Bulgaria
15. **Avtanski D**, Tzanova N. Model of educational software: Nitrogen cycle in nature. *9th Scientific Session of the Faculty of Biology*, Sofia University, 2001, Sofia, Bulgaria
16. **Avtanski D**, Penkov V. Follicular atresia in muscus duck *(Cairina moschata,* L.*)*. *National Student Scientific Session, Sofia University and Sofia Medical University*, 2000, Sofia, Bulgaria
17. **Avtanski D**. Histochemical study of the ovary of muscus duck *(Cairina moschata, L.)* regarding its steroidogenic function. *Student Scientific Conference of the Faculty of Biology, Sofia University*, 1998, Sofia, Bulgaria

Poster Presentations

1. *(upcoming)* Stojchevski R, Poretsky L, **Avtanski D**. Effect of monocarbonyl curcumin analogues C66 and B2BrBC on oxidative stress markers and expression of genes related to insulin signaling pathway in streptozotocin-induced diabetes. 2022 Annual Academic Competition and Research Symposium, Northwell Health, New York, New York, June, 2022.
2. *(submitted abstract)* **Avtanski D**, Stojchevski R, Ziskovikj K, Singer T, Poretsky L. Energy metabolism hormones irisin and leptin affect steroidogenesis in human granulosa cells: *in vitro* studies. *The Endocrine Society's Annual Meeting and Expo (ENDO 2022)*, June 11th-14th, 2022, Atlanta, Georgia
3. *(submitted abstract)* Stojchevski R, Angelovski M, Velichkovik S, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, **Avtanski D**. Effect of monocarbonyl curcumin analogues C66 and B2BrBC on pancreatic expression of genes related to insulin signaling pathway and oxidative stress in streptozotocin-induced diabetes. *American Diabetes Association 82nd Scientific Sessions*, New Orleans, Louisiana
4. *(submitted abstract)* Stojchevski R, Angelovski M, Velichkovik S, Hadzi-Petrushev N, Mladenov M, Bogdanov J, Poretsky L, **Avtanski D**. Monocarbonyl curcumin analogues C66 and B2BrBC improve redox status in streptozotocin-induced diabetes. Levine-Riggs Symposium 2022, February 28th-March 2nd, 2022, Pasadena, California.

5. Cusano N, Gianos E, Frenkel M, **Avtanski D**, Stojchevski R, Ziskovich K, Hassan M, Thermidor S, Poretsky L. Energy metabolism hormones and lipid profiles in transgender individuals: Cross-sectional pilot study. *90th European Atherosclerosis Society (EAS) Congress*, May 22nd-25th, 2022, Milan, Italy
6. Palandira, Falvey A, Zeng Q, **Avtanski DB**, Stojchevski R, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic stimulation of cholinergic neuronal endings in the celiac-superior mesenteric ganglion complex suppresses inflammation in murine endotoxemia. *Experimental Biology 2022*, April 2nd-5th, 2022, Philadelphia, Pennsylvania. Abstract # R4472
7. Falvey, A, Palandira S, Zeng Q, Stojchevski R, **Avtanski D**, Tracey KJ, Pavlov VA. Electrical stimulation of the dorsal motor nucleus of the vagus activates the efferent arm of the inflammatory reflex shifting the cytokine balance in murine endotoxemia towards suppression of inflammation. *Neuroscience 2021 50th Annual Meeting*, November 8th-11th, 2021, Virtual. Poster # P617.01
8. Palandira S, Falvey A, Zeng Q, **Avtanski DB**, Stojchevski R, Poretsky L, Tracey KJ, Pavlov VA. Optogenetic cholinergic stimulation of the celiac-superior mesenteric ganglia complex attenuates inflammation. *Neuroscience 2021 50th Annual Meeting*, November 8th-11th, 2021, Virtual. Poster # P617.05
9. **Avtanski D**, Ziskovich K, Singer T, Singer T, Yeshua A, Cantor T, Poretsky L. The effects of leptin and irisin on steroidogenic enzyme gene expression in human ovarian granulosa cells - initial studies. *The Endocrine Society's Annual Meeting and Expo (ENDO 2021)*, March 20th-23th, 2021, Virtual. Abstract # 7284
10. Poretsky L, **Avtanski D**, Ziskovich K, Inlall D, Vegesna A, Leung TM, Benias P. A retrospective study of weight and metabolic changes in patients with obesity (BMI≥30 Kg/m2) after endoscopic sleeve gastroplasty (ESG) or laparoscopic sleeve gastrectomy (LSG). *American Diabetes Association 80th Scientific Sessions*, Virtual. June 12th-16th, 2020. Abstract 2027-P. **POSTER SELECTED FOR MODERATED SESSION**.
11. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Role of hypoxia in modulating cytokine secretion in breast cancer cells. Role of hypoxia in modulating cytokine secretion in breast cancer cells. *Cancer Metabolism and Signaling 2020*, New York Academy of Sciences, April 17th, 2020, New York, New York. ** Due to the COVID-19 crisis, this poster was presented online.*
12. Chen K, Satlof L, Kothapalli U, Ziluck N, Lema M, Poretsky L, **Avtanski D**. Optimization of experimental conditions for mimicking hypoxia in cultured breast cancer cells by using cobalt(II) chloride ($CoCl_2$). *The Endocrine Society's 102nd Annual Meeting & Expo (ENDO-2020)*, March, 29th-31st, 2020, San Francisco, California. Abstract # 6094 ** Due to the COVID-19 crisis, this poster was presented online.*
13. **Avtanski D**, Chen K, Satlof L, Stoffels G, Kothapalli U, Ziluck N, Lema M, Poretsky L. Hypoxia effect on cytokine production by breast cancer cells. *The Endocrine Society's 102nd Annual Meeting & Expo (ENDO-2020)*, March, 29th-31st, 2020, San Francisco, California. Abstract # 6104 ** Due to the COVID-19 crisis, this poster was presented online.*
14. Garcia A, Caraballo B, Thangeswaran P, Bianco J, Marin S, Lavi A, Poretsky L, **Avtanski D**. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *12th Annual Friedman Fellows Symposium*, November 14th, 2019
15. Lema M, **Avtanski D**. Role of AXL tyrosine kinase receptor in mediating resistin actions on epithelial to mesenchymal transition in breast cancer cells. *Scholarship Day*, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, November 6th, 2019, Hempstead, New York. Abstract # 47
16. Ziluck N, Satlof L, Kothapalli U, Lema M, Chen K, Poretsky L, **Avtanski D**. The effect of hypoxia on cytokine secretion in breast cancer cells. *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York
17. Satlof L, Chen K, Weber D, Poretsky L, **Avtanski D**. The role of tyrosine kinase receptor AXL in resistin-mediated epithelial to mesenchymal transition (EMT) *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York
18. Kothapalli U, Satlof L, Chen K, Ziluck N, Lema M, Poretsky L, **Avtanski D**. The effects of hypoxia on hypoxia-inducible factor 1 alpha (HIF-1α) and carbonic anhydrase 9 (CA9) expression in various breast cancer cell lines. *The Feinstein Institute Summer Students Poster Presentation*, August 14th, 2019, Manhasset, New York
19. **Avtanski D**, Poretsky L. Tumor microenvironment proinflammatory cytokines modulate secretory activity of breast cancer cells – *in vitro* study. *Tumor Microenvironments: Mechanisms and Therapeutic Implications 6th Annual Symposium*, Memorial Sloan Kettering Cancer Center and Weill Cornell Medicine, July 19th, 2019, New York, New York. Abstract # 2
20. Basman C, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Rashid U, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent

of coronary artery disease assessed by SYNTAX score. *American Diabetes Association 79th Scientific Sessions*, June 7th-11th, 2019, San Francisco, California. Abstract # 2215-PUB

21. Chen K, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Poretsky L, **Avtanski D**. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *6th Evening of Research, 2nd Annual Research Poster & Podium Presentations*, May 15th, 2019, Lenox Hill Hospital, Northwell Health, New York, New York. Abstract # 25. *__1st Place Poster Award__
22. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York. Abstract # 4
23. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York. Abstract # 1
24. Jonas R, Basman C, **Avtanski D**, Chen K, Kodra A, Rashid U, Fishman S, Singh V, Poretsky L. Evaluating serum concentrations of advanced glycation end-products as predictors of coronary artery disease. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May 14th, 2019, Manhasset, New York. Abstract # 9
25. Nagalingam A, Muniraj N, Siddharth S, **Avtanski D**, Parida S, Kuppusamy P, Gyorffy B, Saxena N, Sharma D. Hyperleptinemia in obese state renders luminal breast cancers refractory to tamoxifen coordinating a crosstalk between Med1, miR205 and Erb B kinases. *American Association for Cancer Research (AACR) Annual Meeting*, March 29th-April 3rd, 2019, Atlanta, Georgia. Abstract # 310/1
26. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *The Endocrine Society's 101st Annual Meeting (ENDO 2019)*, March 23rd-26th, 2019, New Orleans, Louisiana. Abstract # SAT-334
27. Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Chen K, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *The Endocrine Society's 101st Annual Meeting (ENDO 2019)*, March 23rd-26th, 2019, New Orleans, Louisiana. Abstract # SAT-335
28. Chen K, Weber D, Satlof L, Lavi A, Bahl K, Kaiser M, Poretsky L, **Avtanski D**. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York. Abstract # 13
29. **Avtanski D**, Lavi A, Bahl K, Kaiser M, Weber D, Satlof L, Chen K, Poretsky L. Proinflammatory cytokines modulate resistin expression in breast cancer cells. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York. Abstract # 14
30. Rashid U, **Avtanski D**, Ziskovich K, Jonas R, Fishman S, Sonmez H, Basman C, Kodra A, Stoffels G, Lesser M, Singh V, Poretsky L. Serum levels of the advanced glycation end-product (AGE) pentosidine do not correlate with the extent of coronary artery disease assessed by SYNTAX score. *Feinstein Scientific Retreat*, February 27th, 2019, New Hyde Park, New York. Abstract # 45
31. **Avtanski D**, Poretsky L. Phyto-polyphenols as potential inhibitors of breast cancer metastasis. *IEEE 13th International Conference on Nano/Molecular Medicine and Engineering*, Grand Hyatt, Singapore, April 22nd-26th, 2018
32. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *11th Annual Gerald J. Friedman Fellows Symposium: Nutrition, Diabetes, and Human Health*, November 14th, 2018
33. Lavi A, Weber D, Satlof L, Poretsky L, **Avtanski D**. Role of AXL receptor tyrosine kinase in mediating resistin effects on epithelial to mesenchymal transition (EMT) in breast cancer. *The Feinstein Institute Summer Students Poster Presentation*, August 15th, 2018, Manhasset, New York
34. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *American Diabetes Association 78th Scientific Sessions*, June 22nd-26th, 2018, Orlando, Florida. Abstract # 1754-P
35. Koroma M, Caraballo B, Thangeswaran P, Poretsky L, **Avtanski D**. Resistin increases breast cancer metastatic potential by inducing epithelial to mesenchymal transition and stemness. *Northwell Health 2018 Academic Awards Day, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell*, June 5th, 2018, Hempstead, New York. Abstract # BS4. *__recognized poster__

36. Koroma M, **Avtanski D**, Vegesna A, Spector YJ, Okolo P, Benias P, Roland B, Miller L, Poretsky L. Obesity as a multifactorial disease: Energy metabolism, insulin resistance, endoscopic bariatric intervention and the pathophysiology of small intestinal bacterial overgrowth (SIBO) in human obesity. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York. Abstract # 6
37. Basman C, Fishman S, Sonmez H, **Avtanski D**, Stoffels G, Singh V, Poretsky L. The role of circulating advanced glycation end-products (AGEs) in predicting clinically significant coronary artery disease. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York. Abstract # 3
38. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Poretsky L. Role of adenylyl cyclase-associated protein 1 (CAP1) in mediating resistin actions in mouse liver cells. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York. Abstract # 2
39. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York. Abstract # 1
40. **Avtanski D**, Garcia A, Thangeswaran P, Caraballo B, Lavi A, Bianco J, Marin S, Ronca C, Poretsky L. Resistin inhibits insulin signaling in adenylyl cyclase-associated protein 1 (CAP1)-dependent manner. *The Endocrine Society's 100th Annual Meeting & Expo (ENDO 2018)*, March 17th-20th, 2018, Chicago, Illinois. Abstract # SUN-141
41. **Avtanski D**, Garcia A, Caraballo B, Thangeswaran P, Bianco J, Lavi A, Marin S, Ronca C, Poretsky L. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *The Endocrine Society's 100th Annual Meeting & Expo (ENDO 2018)*, March 17th-20th, 2018, Chicago, Illinois. Abstract # SAT-329. *__abstract selected for inclusion in a moderated poster session__
42. Lavi A, Marin S, Bianco J, Ronca C, Garcia A, Poretsky L, **Avtanski D**. Resistin interferes with insulin signaling by modulating GLUT4 and CAP1 cellular translocation. *The Feinstein Institute Summer Students Poster Presentation*, 2017, Manhasset, New York
43. Bianco J, Lavi A, Marin S, Ronca C, Garcia A, Poretsky L, **Avtanski D**. Resistin increases breast cancer cell invasiveness by potentiating their mesenchymal transition. *The Feinstein Institute Summer Students Poster Presentation*, March 24th, 2017, Manhasset, New York
44. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with and without *diabetes mellitus* at an urban teaching hospital. *American Diabetes Association's 77th Scientific Sessions*, June 9th-13th, 2017, San Diego, California. Abstract # 1352-P
45. Islam JR, Seto-Young D, **Avtanski D**, Lin YK, Shen S, Hirth Y, Lesser M, Rosenwaks Z, Poretsky L. The effects of irisin in reproductive system – Update 2017. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes, and Human Health*, April 22nd, 2017, Chicago, Illinois
46. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Effect of high-fat diet on cofilin and MMP9 protein expression in diet-induced obesity mouse model. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes and Human Health*, April 22nd, 2017, Chicago, Illinois
47. Garcia A, **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Effect of obesity on resistin and adenylyl cyclase-associated protein 1 (CAP1) expression in white adipose tissue. *10th Annual Gerald J. Friedman Fellows Symposium 2017: Nutrition, Diabetes and Human Health*, April 22nd, 2017, Chicago, Illinois
48. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Garcia A, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *3rd Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 7th, 2017, Manhasset, New York. Abstract # 8
49. Sonmez H, Kambo V, **Avtanski D**, Lutsky L, Poretsky L. The readmission rates in patients with and without *diabetes mellitus* at an urban teaching hospital. *3rd Annual Feinstein Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 7th, 2017, Manhasset, New York. Abstract # 10
50. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *The Endocrine Society's Annual Meeting (ENDO 2017)*, April 1st-4th, 2017, Orlando, Florida. Abstract # SAT-573
51. **Avtanski D**, Kuppusamy P, Sonmez H, Shnayder V, Wolfe A, Pavlov VA, Tracey KJ, Poretsky L. Plasma levels of resistin correlate with adenylyl cyclase-associated protein 1 (CAP1) in diet-induced obesity mouse model. *Rachmiel Levine-*

Arthur Riggs Diabetes Research Symposium, March 28th-31st, 2017, Orlando, Florida. Abstract # LRS-3. *__The Endocrine Society's Annual Meeting poster awarded for presentation at R. Levine-A. Riggs Symposium.__

52. Nagalingam A, **Avtanski D**, Tomaszewski J, Prabhakar R, Difillippantonio M, Mears B, Saxena N, Malhotra S, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits epithelial-mesenchymal transition and stemness via activation of p53-miR-34a axis. *American Association for Cancer Research (AACR) Annual Meeting*, April 16th-20th, 2016, New Orleans, Luisiana. Abstract # 1228
53. Islam J, Seto-Young D, **Avtanski D**, Lesser M, Rozenwaks Z, Poretsky L. Update: Does irisin has an effect on female reproductive function? Initial *in vitro* studies. *9th Annual Gerald J. Friedman Fellows Symposium*, June 11th, 2016, New Orleans, Louisiana
54. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *2nd Feinstein Institute Research Symposium: Diabetes & Metabolic Disorders*, April, 2016, Manhasset, New York. Abstract # 2
55. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena NK, Sharma D. Natural phenolic compound honokiol inhibits leptin-induced epithelial to mesenchymal transition in breast cancer. *The Endocrine Society's Annual Meeting (ENDO 2016)*, April 1st-4th, 2016, Boston, Massachusetts. Abstract # SUN 104
56. **Avtanski D**, Hirth Y, Babushkin N, Sy V, Sharma D, Poretsky L, Seto-Young D. *In vitro* effects of pioglitazone on the expression of Wnt signaling pathway components and markers of bone mineralization. *The Endocrine Society's Annual Meeting (ENDO 2016)*, April 1st-4th, 2016, Boston, Massachusetts. Abstract # SUN 352
57. Malhotra SV, Tomaszewski JE, Difilippantonio M, Risbood PA, Nagalingam A, **Avtanski D**, Sharma D. Indolo-pyrido-isoquinolin based alkaloid inhibits growth of breast cancer cells *Division of Medicinal Chemistry 250th National Meeting and Exposition*, August 16th-20th, 2015, Boston, Massachusetts. Abstract # MEDI 193
58. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *7th Annual Safeway Breast Cancer Retreat*, May 1st, 2014, Baltimore, Maryland. Abstract # 2
59. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2014*, 2014, Baltimore, Maryland. Abstract # 3
60. **Avtanski D**, Tiutan T, Saxena N, Sharma D. Novel mechanistic insights into the bioactive compound honokiol-mediated inhibition of epithelial to mesenchymal transition in breast cancer. Therapeutic modulation of miR-34a via tumor suppressor LKB1. *American Association for Cancer Research (AACR) Annual Meeting*, April 5th-9th, 2014, San Diego, California. Abstract # LB-187
61. Sharma D, **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *2013 San Antonio Breast Cancer Symposium*, December 9th-11th, 2013, San Antonio, Texas. Abstract # 851732
62. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *Johns Hopkins Post-Doctoral Symposium*, 2013, Baltimore, Maryland
63. **Avtanski D**, Kuie Lin Y, Hirth Y, Babushkin N, Sy V, Seth A, Pareek A, Sharma D, Poretsky L, Seto-Young D. Thiazolidinedione effects on the mineral content and the components of the Wnt signaling pathway in human osteoblasts. *The Endocrine Society's 95th Annual Meeting*, June 15th-18th, 2013, San Francisco, California. Abstract #4659
64. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *6th Annual Safeway Breast Cancer Research Retreat 2013*, May 17th, 2013, Baltimore, Maryland
65. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *6th Annual Safeway Breast Cancer Research Retreat 2013*, 2013, May 17th, Baltimore, Maryland
66. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2013*, 2013, Baltimore, Maryland. Abstract # 4

67. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. A novel bioactive approach to inhibit leptin-induced epithelial-mesenchymal transition in breast cancer. *American Association for Cancer Research (AACR) Annual Meeting*, April 6th-10th, 2013, Washington, District of Columbia. Abstract # 5497
68. **Avtanski D**, Nagalingam A, Kuppusamy P, Saxena N, Sharma D. Targeting epithelial-mesenchymal transition in breast cancer cells using Honokiol, a natural phenolic compound. *American Association for Cancer Research (AACR) Annual Meeting*, April 6th-10th, 2013, Washington, District of Columbia. Abstract # 299
69. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β-catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *5th Annual Safeway Breast Cancer Retreat*, 2012, Baltimore, Maryland. Abstract #1
70. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β-catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins University Sidney Kimmel Comprehensive Cancer Center Fellow Research Day 2012*, 2012, Baltimore, Maryland. Abstract #5
71. **Avtanski D**, Yan D, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β-catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *The Johns Hopkins Institute for NanoBio Technology Symposium: Cancer: The Big Picture*, 2012, Baltimore, Maryland. Abstract #70
72. Yan D, **Avtanski D**, Saxena NK, Sharma D. Leptin-induced epithelial-mesenchymal transition in breast cancer cells requires β-catenin activation via Akt/GSK3-dependend and MTA/Wnt1-dependent pathways. *American Association for Cancer Research (AACR) Annual Meeting*, March 31st-April 4th, 2012, Chicago, Illinois. Abstract #349
73. Zapata-Rodrigues E, Sinha Roy S, **Avtanski D**, Nagalingam A. Sensitization of Human Breast Cancer Cells to Apoptosis Induced by Doxorubicin Using the Natural Products Benzyl Isothiocyanate and Honokiol. *Annual Biomedical Research Conference for Minority Students (ABRCMS)*, November 9th-12th, 2011, St. Louis, Missouri. Abstract #488
74. **Avtanski D**, Pine-Twaddell E, Kineman R, Wondisford F, Radovick S. Estrogens regulate somatotroph hormonal production directly through estrogen receptor alpha. *The Endocrine Society's 93rd Annual Meeting*, June 4th-7th, 2011, Boston, Massachusetts. Abstract #P1-387
75. Pine-Twaddell E, Miller R, Romero C, **Avtanski D**, Radovick S. Effect of CBP phosphorylation on growth hormone signaling in the somatotroph. *The Endocrine Society's 93rd Annual Meeting*, June 4th-7th, 2011, Boston, Massachusetts. Abstract #P2-338
76. **Avtanski D**, Wondisford F, Radovick S. Enhanced GH gene expression by estrogen receptor activation. *The Endocrine Society's 92nd Annual Meeting*, 2010, June 19th-22nd, San Diego, California. Abstract #P3-241
77. **Avtanski D**, Ng W, Diaczock D, Romero C, Sima D, Chen C, Novaira H, Wondisford F, Radovick S. Estrogen directly increases GH expression in somatotroph cell lines. *12th International Symposium of Immunology of Reproduction*, June 25th-27th, 2009, Varna, Bulgaria
78. **Avtanski D**, Seto-Young D, Parikh G, Strizhevsky M, Feng Y, Pareek A, Singh J, Singh N, Polskaya M, Rosenwaks Z, Poretsky L. Thiazolidinediones inhibit estrogen synthesis by interfering with androgen binding to aromatase. *The Endocrine Society's 90th Annual Meeting*, June 15th-18th, 2008, San Francisco, California. Abstract # P2-44
79. **Avtanski D**, Strizhevsky M, Parikh G, Araki T, Rosen O, Demetri C, Goldman M, Cadag S, Rosenwaks Z, Poretsky L, Seto-Young D. The effects of thiazolidinediones on estrogen production in human granulosa cells. *The Endocrine Society's 89th Annual Meeting*, June 2nd-5th, 2007, Toronto, Canada. Abstract # P1-317
80. **Avtanski D**, Park A, Kaplun J, Strizhevsky M, Kantor Y, Holcomb K, Poretsky L, Seto-Young D. Effects of mitogen-activated protein kinase (MAPK) inhibition on progesterone and insulin-like growth factor binding protein-1 (IGFBP-1) production in human ovarian cells. *The Endocrine Society's 88th Annual Meeting*, June 24th-26th, 2006, Boston, Massachusetts. Abstract # P1-409
81. **Avtanski D**, Kaplun J, Strizhevsky M, Park A, Patel P, Kantor Y, Kearny Brown M, Dhillon S, Pang X, Goldman M, Yeshou D, Moosavy A, Holcomb K, Rosenwaks Z, Seto-Young D, Poretsky L. Interactions among PPAR□, insulin signaling pathways and aromatase in human ovarian cells. *The Endocrine Society's 88th Annual Meeting*, June 24th-26th, 2006, Boston, Massachusetts. Abstract # P1-397
82. **Avtanski D**, D. Seto-Young, R. Konakchieva, L. Poretsky. Insulin-independent and insulin-sensitizing effects of thiazolidinediones in human ovary. *11th International Symposium of Immunology of Reproduction*, June 2nd-4th, 2006, Varna, Bulgaria
83. Seto-Young D, Paliou M, Schlosser J, Patel P, Park A, **Avtanski D**, Latif W, Babar N, Yeshou D, Omry G, Holcomb K, Poretsky L. Peroxysome proliferator-activated receptor γ (PPARγ) in human ovarian cells: its role in regulation of

steroidogenesis and IGFBP-1 production. *The Endocrine Society's 87th Annual Meeting*, June 4th-7th, 2005, San Diego, California. Abstract #P3-564

84. Taushanova P, **Avtanski D**, Konakchieva R. Immunomodulation by melatonin – physiological significance. *10th Jubilee International Symposium of Immunology of Reproduction*, September 4th-6th, 2003, Varna, Bulgaria
85. Taushanova P, **Avtanski D**, Konakchieva R. Immunomodulation by melatonin – interference in glucocorticoid-induced differentiation of lymphocytes. *10th Meeting of the European Neuroendocrine Association (ENEA)*, September 12th-14th, 2002, Munich, Germany

Acknowledgements

1. Acknowledgement to reviewers of Children in 2020. Children (Basel), 2021, 8(1):45. PMCID: PMC7828766. PMID: 33466677. DOI: 10.3390/children8010045
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3. Acknowledgement to reviewers of Nutrients in 2019. *Nutrients*, 2020. DOI: 10.3390/nu12010273
4. Kang BH, Cho JH, Kim SY, Jeong KA, Kim SH, Kim C, Lim SJ, Shim KS. Growth and bone mineral density changes in ovariectomized rats treated with estrogen receptor alpha or beta agonists. *J Korean Med Sci*. 2020, 35(45):e370. https://doi.org/10.3346/jkms.2020.35.e370
5. Acknowledgement to reviewers of Cancers in 2019. *Cancers*, 2020, 12, 243. DOI: 10.3390/cancers12010243
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Invited Talks

Meetings

1. Resistin induces epithelial to mesenchymal transition (EMT) in breast cancer cells through activation of AXL tyrosine kinase receptor. *5th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, May, 14th, 2019, Manhasset, New York
2. Resistin increases breast cancer cell motility and induces cellular mesenchymal reprogramming. *4th Annual Feinstein Institute Research Symposium: Diabetes, Endocrinology and Metabolic Disorders*, April 10th, 2018, Manhasset, New York

Seminars

3. Role of hypoxia in modulating cytokine secretion of breast cancer cells. *Department of Surgery Seminar Series*, Lenox Hill Hospital, Northwell Health, September 16th, 2020, New York, USA
4. Both estrogen receptor alpha and beta stimulate pituitary GH gene expression. *Prostate Cancer Laboratory Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, September 26th, 2011, Baltimore, Maryland
5. Role of estrogens in regulation of somatotroph hormonal production. *Institute of Biology and Immunology of Reproduction Seminar Series*, Bulgarian Academy of Sciences, April 20th, 2011, Sofia, Bulgaria
6. Insulin-independent and insulin-dependent effects of thiazolidinediones in the human ovary. *Institute of Biology and Immunology of Reproduction Seminar Series*, Bulgarian Academy of Sciences, September 21st, 2006, Sofia, Bulgaria

Department Seminars

7. ADA-2019 meeting: Highlights. *Division of Endocrinology and Metabolism Seminar Series*, Lenox Hill Hospital, June 25th, 2019, New York, New York
8. Resistin and breast cancer metastasis. *Division of Endocrinology and Metabolism Seminar Series*, Lenox Hill Hospital, February 27th, 2018, New York, New York
9. Endocrinology Division: Research update. *Division of Endocrinology and Metabolism Seminar Series*, Lenox Hill Hospital, October 17th, 2017, New York, New York
10. Adipokines, insulin resistance and reproduction. *Division of Endocrinology and Metabolism Seminar Series*, Lenox Hill Hospital, February 7th, 2017, New York, New York
11. Research update. *Division of Endocrinology and Metabolism Seminar Series*, Lenox Hill Hospital, November 1st, 2016, New York, New York
12. Strategies to overcome leptin signaling in breast cancer. *Breast Cancer Program Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, March 10th, 2015, Baltimore, Maryland
13. Oncogenic role of leptin in breast cancer. *Breast Cancer Program Seminar Series*, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University School of Medicine, March 4th, 2013, Baltimore, Maryland
14. Direct effects of estrogens on somatotroph function. *Division of Endocrinology Seminar Series*, Johns Hopkins University School of Medicine, November 20th, 2009, Baltimore, Maryland

Invited Courses

15. Animal models in reproductive biology. A 15-hours course for students in Biology, Medicine, and Veterinary Medicine, PhD students, and post-doctoral fellows at Sofia University *"St. Kliment Ochridsky"*, 2015, Sofia, Bulgaria

Press Interviews and Mentions

1. Fat-secreted molecule lowers response to common cancer treatment. Science Daily, November 9th, 2021. [https://www.sciencedaily.com/releases/2021/11/211109095351.htm]
2. ["Mentors help young scientists say not to unreliable scientific journal publications"] (article in Greek) by Marilia Mavrikiou; Open Knowledge, Greece
   https://okfn.gr/%CE%BF%CE%B9-%CE%BC%CE%AD%CE%BD%CF%84%CE%BF%CF%81%CE%B5%CF%82-%CE%B2%CE%BF%CE%B7%CE%B8%CE%BF%CF%8D%CE%BD-%CF%84%CE%BF%CF%85%CF%82-%CE%BD%CE%AD%CE%BF%CF%85%CF%82-%CE%B5%CF%80%CE%B9%CF%83%CF%84%CE%AE/
3. Australasian Human Research Ethics Consultancy Services Pty Ltd (AHRECS). Published/Released on January 14, 2019, Posted by Admin on February 2, 2019, *"Mentors help authors say "no" to predatory journals – Elsevier Connect (Marilynn Larkin, November 2018)"*
   [https://ahrecs.com/resources/mentors-help-authors-say-no-to-predatory-journals-elsevier-connect-marilynn-larkin-november-2018?fbclid=IwAR1sWllDV_fuE1rh12yRd84_vEzc0OkBXEhEV96tmDUDkjhE5vQAX1M02Jw].
4. Interview for Northwell Health by Amy Pilot, January 15th, 2019, *"Gerald J. Friedman Diabetes Institute"*.
5. Interview for Elsevier by Marilynn Larkin, November 14th, 2018, *"Mentors help authors say "no" to predatory journals"* [https://www.elsevier.com/connect/mentors-help-authors-say-no-to-predatory-journals].
6. Interview for Elsevier by Marilynn Larkin, August 22nd, 2018, *"To thwart predatory publishing, we need to work together"*, *"Mentoring helps authors say "no" to predatory journals"*, and *"Supporting value: How rigorous processes*

& collaborations help ensure research integrity" [https://www.elsevier.com/connect/to-thwart-predatory-publishing-we-need-to-work-together].

7. Interview for Reuters Health by Will Boggs, Managed Health Care Connect, December 20th, 2016, *"Increased Risk of bone fractures with pioglitazone use"* [http://www.managedhealthcareconnect.com/content/increased-risk-bone-fractures-pioglitazone-use].
8. *The Catalyst*, May 2009, Volume I, Issue 4, p. 4.
9. *The Catalyst*, October 2008, Volume I, Issue I, p. 4.
10. *Leading The Way*, Spring 2007, cover and p. 3-4.

Miscellaneous

Photograph works published

1. Photograph works publication: *Standard (Стандарт)* newspaper (Bulgaria), March 8th, 2004, 1 photograph.
2. Photograph works publication: *Explorer (Пътешественик)* newspaper (Bulgaria), Issue 5 (July 19th-25th), p.15, 2004, 4 photograshs.
3. Photograph works publication: *Explorer (Пътешественик)* newspaper (Bulgaria), Issue 3 (July 5th-11th), p. 15, 2004, 3 photographs.
4. Photograph works publication: Brooklyn Animal Foster Network organization (USA), website, printed brochures and advertising materials, multiple photographs.
5. Award winner and photograph work publication: *National Geographic* magazine (USA), *Daily Dozen* award for the photography *"Fishermen in the Gulf of Mexico"*, February 9th, 2010.

Volunteer Work

2019-current	**The Rumie Initiative** Work description: To develop and deliver low-cost technology that enables the distribution of digital learning resources to communities with limited internet service.
2017	**Volunteer**, Wildlife Action Group, Thuma Forest Reserve, Malawi Work description: Protection of Malawi's wildlife and environment and assisting and supporting the Malawi government in the protection of national parks, game and forest reserves.
2005-2008	**Volunteer-Photographer**, Brooklyn Animal Foster, Brooklyn, New York Work description: Photograph works were used for preparing advertising materials and the organization website.

Languages

Bulgarian: *native proficiency*
English: *full professional working proficiency*
German: *professional working proficiency*
Russian: *limited working proficiency*