

**1. PERSONAL DATA:**

***Business Address  
and Telephone:***

***Professional facilities:*** 4202 E. Fowler Ave, SCA 419, Tampa, FL 33620

**2. EDUCATION:**

- 1977** Bachelor of Arts (Biology)  
University of California, San Diego, Revelle College, La Jolla, Ca.
- 1979** Master of Arts (Biology)  
University of California, Riverside  
Riverside, Ca.  
Thesis Title: "Effects of ozone on sea urchin fertilization and early development"  
Thesis Advisor: Edward J. Carroll, Jr., Ph.D. Professor, Dept. of Biology  
University of California, Riverside
- 1983** Doctor of Philosophy (Biology)  
University of California, Riverside  
Riverside, Ca.  
Dissertation Title: "Isolation of an operationally defined sea urchin vitelline envelope with sperm receptor activity and immunological evidence for a sperm receptor polypeptide"  
Dissertation Advisor: Edward J. Carroll, Jr., Ph.D. Professor, Dept. of Biology, University of California, Riverside

**3. Post-Doctoral Training:**

- 1984 - 1985** Postdoctoral Research Associate, Department of Pharmacology and Therapeutics, University of Florida, Gainesville, Fl
- 1985 - 1991** Postdoctoral Fellow, Depts. of Biochemistry, Pathology, and Radiology  
University of South Florida, and James A. Haley Veterans Hospital,  
Tampa, FL

**4. Appointments:**

**a. VA appointments: Effective date**

## CURRICULUM VITAE

Mildred Acevedo-Duncan, Ph.D.

03/01/11      Research Investigator (GS-14)  
04/01/97      Research Scientist (GS-13)

### *b. University*

**2014-present**                      Research Professor, Department of Chemistry, University of South Florida College of Arts and Sciences, Tampa, FL

**2009-2014**                      Research Associate Professor, Department of Chemistry, University of South Florida College of Arts and Sciences, Tampa, FL

**2001-2009**                      Research Assistant Professor, Department of Chemistry, University of South Florida College of Arts and Sciences, Tampa, FL

**1996-2001**                      Courtesy Assistant Professor, Dept. of Chemistry, University of South Florida, Tampa, Florida.

**1992-1995**                      Research Assistant Professor, Department of Radiology, University of South Florida College of Medicine, Tampa, FL

**1991- 1992**                      Visiting Assistant Professor, Department of Neurology, University of South Florida College of Medicine, Tampa, FL

### *5. Professional affiliations and membership in scientific societies.*

#### *a. Affiliations*

**1991-present**      Member, Moffitt Cancer Center and Research Institute  
Tampa, FL

**2009-present**                      Member, USF Neuroscience Collaborative

**2009-present**                      Member, USF Academy of Inventors. Director: Paul Sanberg, Ph.D.

#### *b. Memberships*

**1991-present**      Full member of the American Association for Cancer Research

**1980-1993**                      Associate and full member of the American Society for Cell Biology

**1983-1985**                      Sigma Xi

### *6. SERVICE TO LOCAL V.A. Medical Center:*

*2011-2017 Advisory Board-Women Veterans Committee*

*2011 Ad-hoc Reviewer--R&D Committee*

*2010 Reviewer Program Project Award LOI*

*2010-2017 Alternate member--R&D Committee*

*2009-2017 Ad-hoc- Safety Committee*

*2007 Ad-hoc Reviewer--R&D Committee*

*2005 Ad-hoc Reviewer--R&D Committee*

*2001 Ad-hoc Reviewer--R&D Committee*

**7. SERVICE TO NATIONAL VETERANS ADMINISTRATION – None**

**8. SERVICE TO AFFILIATED UNIVERSITY:**

*2017 Reviewer, USF Creative Research Award, 2/16/2017*

*2017 Reviewer, Chih Foundation Research & Publication Award, 2/16/2017*

*2015 Guest Lecturer, Tools of Research, USF, Tampa, 4/3/2015*

*2014 Judge, Young Innovators Competition, USF, Tampa, 1/28/2014*

*2013 Judge, Young Innovators Competition, USF, Tampa, 1/30/2013*

*2012 -Present College of Arts and Sciences Diversity Committee*

*2012 Mentor, ADVANCE-PAID Mentorship Committee, USF, Tampa, 4/13/2012*

*2012 Judge, Young Innovators Competition, USF, Tampa, 2/1/2012*

*2011-2012 Alternate College of Arts and Sciences Diversity Committee*

*2011 Judge, Castle Conference, USF, Tampa, 4/9/2011*

*2011 Judge, Young Innovators Competition, USF, Tampa, 2/2/2011*

*2010 Model Principal Investigator for Strategic Marketing Class*

- 2010** Reviewer: USF Faculty International Travel Grants - 2010
- 2003-2004** USF Presidents Academic Advisor
- 2003** Member: USF Department of Chemistry Graduate student recruitment committee
- 1996 to present** Ph.D. Accreditation Committee, USF Department of Chemistry

**9. SERVICE TO PROFESSIONAL ORGANIZATIONS (including membership on peer review committees):**

- 2016** *Judge, Drug Discovery and Development Forum 2016, Montreal Canada*
- 2015** *Grant Reviewer: Puerto Rico Science Technology and Research Trust*
- 2010** *Judge, Hillsborough Regional Science and Engineering Fair, Sundome USF, Tampa, 2/24/2010*

**2011-present Editorial Board**

*ISRN Cell Biology*  
*Hindawi Journals*  
*Journal of Pediatric Biochemistry*

**1995-present Editorial reviews for:**

*Cancer Management and Research*  
*OncoTargets and Therapy*  
*Experimental and Therapeutic Medicine*  
*Cell Adhesion and Migration*  
*Journal of Medicinal Chemistry*  
*International Journal of Oncology*  
*Cancer Biology and Medicine*  
*The International Journal of Biochemistry & Cell Biology*  
*Carcinogenesis*  
*ISRN Cell Biology*  
*PLoS ONE - Public Library of Science*  
*Archives of Dermatological Research*  
*European Journal of Pharmacology*  
*Biochemical Pharmacology*  
*Journal of Biological Regulators & Homeostatic Agents*  
*Clinical Cancer Research*  
*Molecular Pharmacology,*  
*Molecular Cancer Therapeutics,*

*Chemical Research in Toxicology*  
*Clinical & Experimental Metastasis*  
*Cellular & Molecular Biology Letters*  
*Journal of Neuroscience*  
*Cancer Letters*  
*Clinical and Experimental Medicine*  
*Cancer Detection and Prevention*  
*BBA - Molecular Cell Research*  
*Neurochemistry*

**10. Professional Honors and Awards:**

Invited International Lecture and Co-chair (September 2018), World Congress on Advances in Oncology, Athens, Greece

Invited International Lecture and Co-chair (October 2017), World Congress on Advances in Oncology, Athens, Greece

Invited International Lecture, Co-chair and Award- Best Presentation (October 2016), World Congress on Advances in Oncology, Athens, Greece

Invited International Lecture, Co-chair and Award- Best Presentation (October 2013), World Congress on Advances in Oncology, Crete, Greece

Invitational speaker (1983), National Science Foundation - Women in Cell Biology Seminar at the American Society of Cell Biology.

Dissertation Award for Women and Minority Students (1983), University of California, Riverside.

Sigma-Xi Research Award (1983), University of California, Riverside.

Irwin Newell Travel Award (1982-1983), University of California, Riverside.

Irwin Newell Travel Award (1981-1982), University of California, Riverside.

Chancellor's Patent Fund Award (1981), University of California, Riverside.

Research Assistantship (1981-1983), University of California, Riverside.

Teaching Assistantship (1979-1983), University of California, Riverside.

Graduate Opportunity Fellowship (1977-1979), University of California, Riverside.

California State Scholarship and College Opportunity Grant (1973-1977), UC San Diego

**11a. FUNDED RESEARCH PROJECTS****Completed Grants (during the last 10 years)****Title:** Role of PKC- $\iota$  in Glioma Proliferation and Survival**Role:** Principal Investigator**Supporting Agency:** Veterans Administration Merit Review Program**Performance Period:** 4/1/07 – 3/31/2011**Brief description of goals:** Investigate the role of PKC- $\iota$  in Glioma Proliferation and Survival**Specific Aims: 1)** to determine whether a PKC- $\iota$  Cdk7/cdk2 signaling pathway contributes to glioma cell cycle regulation and cell proliferation.**Specific Aims 2)** to determine whether PKC- $\iota$  phosphorylation of Bad promotes glioma survival by disruption of the proapoptotic Bad/Bcl-XL interaction.**Title:** Radiation, Cell Cycle, Protein Kinase C**Role:** Principal Investigator**Supporting Agency:** Inhibiton Therapeutics, Inc.**Name and address of Funding Agency's Procuring Grants Officer**

Henry Fong

319 Clematis Street, Suite 803

West Palm Beach, FL 33401

**Performance Period:** 10/1/2004 – 9/31/2007**Brief description of project's goals:** Develop a PKC-iota inhibitor to treat cancer.**Overlap:** There is no overlap with the current grant application.**Title –** Radiation, Cell Cycle, Protein Kinase C**Role:** Principal Investigator**Supporting Agency –** Veterans Administration Merit Review Grant**Name and address of Funding Agency's Procuring Grants Officer**

Frank Dipaola

13000 Bruce B. Downs Blvd. VAR 151

Tampa, FL 33612

**Performance Period -** 4/1/1998 – 3/31/2002**Brief description of project's goals –** Investigate the effects of radiation and PKC inhibitors on glioma cell cycle progression and proliferation**PENDING GRANTS:** *None***11b. FUNDED RESEARCH PROJECTS:****\*\* indicates current funding**

<i>Source of Funding</i>	<i>Grant number</i>	<i>Title of Project</i>	<i>Role</i>	<i>Dates</i>	<i>Annual Direct Amount</i>	<i>Total Direct</i>

**Leo and Ann Albert Foundation	Acevedo -Duncan	Effects of ICA-1 on Prostate Cancer Survival	PI	6/14-5/19	220,400	1,1020,000
VA Merit Review	Acevedo -Duncan	Role of PKC-i in Glioma Cell Proliferation and Survival	PI	4/07-3/12	213,816	988,764
USF Neuroscience Collaborative	Acevedo -Duncan	Interactions of alternatively spliced variants of Cdk7 with PKC-iota in gliomas	Co-PI	4/10-3/12	50,000	100,000
Inhibitor Therapeutics (CRADA)	Acevedo -Duncan	Radiation, Cell Cycle and Protein Kinase C	PI	10/04-9/08	200,000	800,000
Evan T.J. Dunbar Neuroblastoma	Acevedo -Duncan	Controlling Neuroblastoma Proliferation	PI	12/06-12/11	56,190	80,948
The Margaret Ewell Dickens Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	2/06-10/13	10,000	80,000
**William and Ella Owens Medical Foundation	Acevedo -Duncan	Controlling Brain, Breast, Prostate and Neuroblastoma Proliferation	PI	8/08-12/18	51,000	510,000
David R. Clare & Margaret C. Clare Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	11/13-11/14	\$10,000	\$10,000
Sapphire Foundation for Prostate	Acevedo -Duncan	Controlling Prostate Cancer Proliferation	PI	9/06-12/14	5,375	43,000
USF, Tampa Creative Scholarship Grant	Acevedo -Duncan	In-Vivo Effects of ICA-1 on Neuroblastoma	PI	1/14-12/14	9,000	9,000

USF, Tampa Faculty International Travel Grant	Acevedo -Duncan	Effects of ICA-1 on Cancer	PI	4/11 and 10/13	\$2,500	\$5,000
USF, Tampa High Tech Corridor Grant	Acevedo -Duncan	Validation of Breast Tumor Biomarker PKC-Zeta	PI	6/14-5/15	\$23,000	\$23,000
FISH Foundation	Acevedo -Duncan	Effects of ICA-1 on Ovarian Cancer	PI	1/14-12/14	15,000	15,000
The Greenberg Breast Cancer Foundation	Acevedo -Duncan	Controlling Breast Cancer Proliferation	PI	4/06-9/08	15,000	45,000
Alaska Run for Women	Acevedo -Duncan	Controlling Breast Cancer Proliferation	PI	11/06/-10/08	10,000	35,000
Laura G. Coulter-Jones Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	6/07-12/07	20,000	20,000
Abraham J. & Phyllis Katz Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	1/06-12/06	40,000	40,000
The Oncologic Foundation of Buffalo	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	6/04-5/06	15,000	30,000
Abraham J. & Phyllis Katz Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	1/04-12/04	40,000	40,000
Aloe Institute	Acevedo -Duncan	Effects of Aloe-emodin on glioma proliferation	PI	4/13 12/13	15,000	15,000
Aloe Institute	Acevedo -Duncan	Effects of Aloe-emodin on glioma proliferation	PI	4/02 12/04	20,000	60,000

The Oncologic Foundation of Buffalo	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	1/02-12/02	15,000	15,000
G.E. and C. M. Miesel Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	10/02-9/03	15,000	15,000
The Dorr Foundation	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	1/03-12/03	20,000	20,000
**Various Foundations	Acevedo -Duncan	Controlling Brain Cancer Proliferation	PI	2/02-10/15	29,559	384,275
VA Merit Review	Acevedo -Duncan	Radiation, Cell Cycle and Protein Kinase C	PI	10/97-9/01	133,700	401,100

## 12. TRAINING AND MENTORING RELATIONSHIPS:

### a. Teaching assignments

**2003-present** CHM 6973-001 Directed individual graduate research (USF, Dept. of Chemistry)

**1999, 2000, 2002, 2003, 2005** CHM 4970 Directed individual undergraduate research (USF, Dept. of Chemistry)

**2003** CHM 2045-004/5 General Undergraduate Chemistry (lecturer for two full semester courses; USF, Dept. of Chemistry)

### b. GRADUATE, SUPERVISORY AND MENTORING RELATIONSHIPS

#### \*\* Present Students

Name	Trainee Status	Inclusive Dates	VA or non-VA	Clinician or Non-Clinician	Current status
Hanna Farghaly, MD	Post-Doctoral Fellow	1/1999 – 12/1999	Various Foundations	Clinician	Assistant Professor U. of Louisville
Simran Sandu, MD	Post-Doctoral Fellow	1/1997 – 12/1997	Non-VA volunteer	Clinician	Private Practice in Staten Island, New York

Eva El-Najdawi, Ph.D.	Post-Doctoral Fellow	10/1997 –12/1999	VA Merit Review	Non-clinician	LabCorp Tampa, FL
Mayumi Yamamoto, MD, Ph.D.	Post-Doctoral Fellow	6/1995 – 12/1996	Co-Mentor	Clinician	Professor Gifu University, Japan
Edwardo Calderon, MD	Post-Doctoral Fellow	8/1994 – 8/1995	USF Dept. of Radiology	Clinician	Private Practice In Mobile, AL
Jian Zhang, MD	Post-Doctoral Fellow	8/1993 – 12/1995	USF Dept. of Radiology	Non-clinician	Post-Doc U. of Miami
Hercules Apostolatos, Ph.D.	Post-Doctoral Fellow	11/2010-1/2017	USF Dept of Internal Medicine	Non-clinician	CEO Novel Biospectrum Technologies
Minjel Shah	Graduate	1/2014-12/2016	Various Foundations	Non-clinician	Masters Graduate Student at USF
Thu Suong Le	Graduate	2/2015-10/2015	William and Ella Owens Foundation	Non-clinician	Masters Graduate Student at USF
**Raja Bommareddy	Graduate	4/2015-present	Various Foundations	Non-clinician	Ph.D. Graduate Student at USF
**Wishrawan Rathayake	Graduate	8/2015-present	Various Foundations	Non-clinician	Ph.D. Graduate Student at USF
**S.M. Anisul Islam	Graduate	8/2015-present	Various Foundations	Non-clinician	Ph.D. Graduate Student at USF
**Andre Apostolatos	Graduate	8/2015-present	William and Ella Owens Medical Foundation	Non-clinician	Masters Graduate Student at USF
** Avijit Dye	Graduate	8/2017-present	Various Foundations	Non-clinician	Ph.D. Graduate Student at USF
** Khalid M. Khandker	Graduate	8/2017-present	Various Foundations	Non-clinician	Ph.D. Graduate Student at USF

Aravind Bhayankara	Graduate	4/2010 – 8/2011	USF Neuroscience Collaborative	Non-clinician	Technician Memorial Sloan Kettering
Shraddha Desai	Graduate	1/2007 – 12/2012	T.J. Evan Dunbar Foundation	Non-clinician	Post-Doctoral Fellow Duke University
Prajit Pillai	Graduate	8/2006 – 12/2012	T.J. Evan Dunbar Foundation	Non-clinician	Post-Doctoral Fellow Duke University
Hla Win-Piazza	Graduate	10/2004 – 6/2008	Sapphire Foundation for Prostate	Non-clinician	Post-Doc BC Cancer Agency, Canada
Jason Aaron Matthews	Graduate	8/1999 – 6/2007	Co-Major Professor	Non-clinician	Assist. Prof. Florida Community College
Christopher Russell	Graduate	8/2002 – 5/2005	The Oncologic Foundation of Buffalo	Non-clinician	USF Masters degree - Teaches at Community College
Stephen Whelan	Graduate	1/1996 – 6/2002	Co-Major Professor	Non-clinician	Post-Doc John Hopkins
Dionne Lattimore-Toombs	Graduate	1/1998 – 6/1998	Various Foundation	Non-clinician	National Program Leader USDA Washington, DC
Ruonan Zhang	Graduate	4/1992 – 7/1995	H. Lee Moffitt Grant	Non-clinician	Masters Degree Pharmacist in New York
**Sloan Breedy	Undergraduate	1/2018 - present	Various Foundation	Non-clinician	Rising undergrad at USF, Tampa
**Christopher Apostolatos	Undergraduate	3/2013 - present	Leo and Ann Albert Foundation	Non-clinician	Rising undergrad at USF, Tampa
** Tracess Smalley	Undergraduate	5/2015-present	Various Foundation	Non-clinician	Ph.D. Graduate student at USF, Tampa

Andre Apostolatos	Undergraduate	8/2014- 5/2018	William and Ella Owens Medical Foundation	Non-clinician	Medical Student at Univ. of Missouri
Diondra Hill	Undergraduate	5/2005 – 1/2011	The Greenberg Breast Cancer Foundation	Non-clinician	Joined the Armed Forces
Quentin McAfee	Undergraduate	6/2004 – 12/2009	Inhibiton Therapeutics & VA Merit Review	Non-clinician	Applying to U. of Penn. Ph.D. Program
Diana Martinez	Undergraduate	8/2004 – 12/2004	McNairs Scholars Program	Non-clinician	Medical School
Sapna Patel	Undergraduate	8/2002 – 5/2004	Volunteer	Non-clinician	Private Practice in Kingsport, TN
Elona Bicaku	Undergraduate	5/1998 – 8/2003	Various Foundations	Non-clinician	MBA at Moffitt Cancer Institute
Melissa Armas	Undergraduate	5/2002 – 8/2003	McNairs Scholars Program	Non-clinician	Ph.D. Program at U of Florida
Ronda Sawyer	Undergraduate	5/2003 – 8/2003	NIH Minority Bridge Program	Non-clinician	Rising undergrad at 4 year college
Rebecca Pomalez	Undergraduate	5/2002 – 8/2002	NIH Minority Bridge Program	Non-clinician	Rising undergrad at 4 year college
Sarah A. Shaw	Undergraduate	5/2001 – 8/2001	NIH Minority Bridge Program	Non-clinician	Rising undergrad at 4 year college
Janese Trimaldi	Undergraduate	5/2001 – 8/2001	NIH Minority Bridge Program	Non-clinician	Rising undergrad at 4 year college
Jessica Ortiz	Undergraduate	5/2000 – 8/2000	NIH Minority Bridge Program	Non-clinician	Rising undergrad at USF, Tampa

Kaltrina Bariliu	Undergraduate	5/1999 – 8/1999	NIH Minority Bridge Program	Non-clinician	Rising undergrad at 4 year college
Andrea Nicole M <sup>c</sup> Cray	Undergraduate and High School Student	8/2000-12/2000 5/1994 – 8/1995	McNairs Scholars & NIH High School Minority Program	Non-clinician	Post Doctoral at Moffitt Cancer Center, Tampa, FL.
Jebhar Patterson	High School Student	5/2003 – 8/2003	NIH High School Minority Program	Non-clinician	Rising Undergraduate
Ivelisse Rivera	High School Student	5/2002 – 8/2002	NIH High School Minority Program	Non-clinician	Rising Undergraduate
Ramona Quillet	High School Student	5/2001– 8/2001	NIH High School Minority Program	Non-clinician	Rising Undergraduate

***MENTORING ACTIVITIES:***

***Prajit Pillai, Ph.D, 2011, Ph.D. mentor.*** Current Position: Post-Doctoral Fellow, Duke University, Durham, North Carolina

***Shraddha Desai, Ph.D. 2011, Ph.D. mentor.*** Current Position: Post-Doctoral Fellow, Duke University, Durham, North Carolina

***Hla Win-Piazza, Ph.D., 2008, Ph.D. mentor.*** Current Position: Post-Doctoral Fellow, BC Cancer Agency, Vancouver, Canada

***Aaron Matthew, Ph.D., 2007, Ph.D. Co-mentor.*** Current Position: Assistant Professor (tenure track), Department of Chemistry, Florida Community College, Jacksonville, FL.

***Stephen Whelan, Ph.D., 2002, Ph.D. Co-mentor.*** Current Position: Post-Doctoral Fellow Department of Biological Chemistry, The Johns Hopkins University School of Medicine, Baltimore, Maryland

***Mayumi Yamamoto, M.D., Ph.D. Post-doctoral fellow. (Clinician)*** July 1995-1998. Current position: Professor, Dept. of Medicine, Gifu University, Gifu, Japan.

**13. EXTRAMURAL ACTIVITIES**

**May 2018** *USF, Tampa Workshop-Moving ICA-1 Toward the Clinic*

**May 2017** *USF, Tampa Workshop-Moving ICA-1 Toward the Clinic*

**June 2016** *Invited International Lecture, Drug Discovery and Development Forum 2016, Montreal, Canada*

**May 2016** *USF, Tampa Workshop-Moving ICA-1 Toward the Clinic*

**October 2015** *Invited International Lecture, World Congress on Advances in Oncology, Athens, Greece*

**October 2014** *Invited International Lecture and Co-chair, World Congress on Advances in Oncology, Athens, Greece*

**April 2013** *Poster Presentation: The PKC-iota Inhibitor ICA-1 combined with TRAIL for Glioblastoma Therapy. McCray, A.N., Desai, S. and Acevedo-Duncan, M. Proc. of the American Association of Cancer Research April, 2013*

**October 2012** *Invited International Lecture, World Congress on Advances in Oncology, Crete, Greece*

**April 2012** *Poster Presentation: The PKC-iota inhibitor ICA-1 overcomes chemoresistance and induces cell death in glioblastoma multiforme. Presented by Shraddha Desai, coached by Dr. Acevedo-Duncan. Proc. of the American Association of Cancer Research 2821 April 2, 2012*

**April 2012** *Poster Presentation: In-vivo Effects of the Novel PKC-i Inhibitor on Breast Cancer and Glioma Xenografts. Proc. of the American Association of Cancer Research 2827/32. April 2, 2012*

**April 2012** *Poster Presentation: A novel PKC-iota inhibitor, ICA-1 abrogates cell proliferation in breast cancer. Presented by Shraddha Desai, coached by Dr. Acevedo-Duncan. Proc. of the American Association of Cancer Research 3760/25. April 3, 2012*

**February 2012** *Poster Presentation: In-vivo Effects of the Novel PKC-i Inhibitor on Breast Cancer and Glioma Xenografts. National Academy of Inventors Inaugural Conference. Tampa, FL. February 16, 2012*

**October 2011** *Invited seminar: Role of PKC-iota in cancer cell survival and proliferation. UF Topics in Cancer Series, Gainesville, FL., October 28,*

2011

- April 2011** **Invited seminar:** *Role of PKC- $\iota$  in glioma cell survival and proliferation.*  
USF Chemistry colloquium, Tampa, FL., Delivered by  
Shraddha Desai, coached by Dr. Acevedo-Duncan. April 12, 2011
- April 2011** **Graduate Talk:** *PKC- $\iota$  promotes glioblastoma cell survival by phosphorylating  
and inhibiting BAD through a phosphatidylinositol 3-kinase pathway.*  
USF Chemistry Castle Conference, Tampa, FL Delivered by  
Shraddha Desai, coached by Dr. Acevedo-Duncan, **Won first place  
presentation** April 9, 2011.
- April 2011** **Poster presentation:** *A novel PKC- $\iota$  inhibitor inhibits the proliferation of prostate  
cancer cells. Presented at the American Association for Cancer Research  
meetings. Presented by Rekha Patel, coached by Dr. Acevedo-Duncan.*  
LBPO.CG01. Late-Breaking Research: Carcinogenesis,  
April 6, 2011  
**Highly Rated Meritorious Abstract by AACR.**
- March 2011** **Invited seminar:** *The supporting systems for women researchers in the  
US,*  
Gifu University, Gifu, Japan. March 14, 2011.
- March 2011** **Invited seminar:** *Role of PKC- $\iota$  in Cancer Cell Proliferation,*  
Gifu University, Gifu, Japan. March 15, 2011.
- March 2011** **Invited Co-Chair and Symposium Speaker:** *Session 5-8: Protein Kinase  
Inhibitors in Cancer. ICA-1: A novel PKC- $\iota$  inhibitor induces apoptosis  
in neuroblastoma cells. PepCon-2011 in Beijing, China, March 25, 2011*
- March 2011** **Invited seminar:** *Role of PKC- $\iota$  in Cancer Cell Proliferation.*  
USF Chemistry colloquium, Tampa, FL., March 9,  
2011  
April 12, 2011
- February 2011** **Poster presentation:** *A novel PKC- $\iota$  inhibitor abrogates cell proliferation  
and induces apoptosis in neuroblastoma. USF Health Research Day,  
Tampa, FL. Delivered by Prajit Pillai, coach by Dr. Acevedo-Duncan,  
February 25, 2011*

**February 2011 Poster presentation:** *PKC- $\iota$  promotes glioblastoma cell survival by inhibiting BAD through a PI (3)-kinase. USF Health Research Day, Tampa, FL. Delivered by Shraddha Desai, coach by Dr. Acevedo-Duncan, **Won first place poster presentation** February 25, 2011.*

**October 2010 Invited Symposium Speaker:** *Session 2-12 New Kinase Inhibitors. ICA-1: A novel PKC- $\iota$  inhibitor induces apoptosis in neuroblastoma cells. BIT's 8<sup>th</sup> Annual Congress of International Drug Discovery Science and Technology, Beijing, China, October 25, 2010.*

**May 2010 Symposium:** *ICA-1: A novel PKC- $\iota$  inhibitor induces apoptosis in neuroblastoma cells. 2010 American Chemical Society Florida Annual Meeting and Exposition (FAME), Innisbrook, FL. Delivered by Prajit Pillai, coach by Dr. Acevedo-Duncan, May 15, 2010*

**May 2010 Poster Presentation:** *PKC- $\iota$  induces uncontrolled glioblastoma cell survival by modulating proapoptotic function of Bad. 2010 American Chemical Society Florida Annual Meeting and Exposition (FAME), Innisbrook, FL. Delivered by Shraddha Desai, coach by Dr. Acevedo-Duncan. **Won first place poster presentation.***

**March 2010 Invited Symposium Speaker:** *Session 5-4: Protein Kinase and Cell Cycle Control. Role of PKC- $\iota$  in Cancer Cell Proliferation and Survival. PepCon-2010 in Beijing, China, March 22 2010*

**January 2010 Invited seminar:** *Role of PKC- $\iota$  in Cancer Cell Proliferation and Survival. Division of Sciences and Mathematics, Florida Southern College, Lakeland, Florida. January 20, 2010*

**May 2009 Symposium:** *PKC- $\iota$ : A modulator of pro-apoptotic BAD function in glioblastoma cell survival. 2009 American Chemical Society Florida Annual Meeting and Exposition (FAME), Orlando, FL. Delivered by Shraddha Desai, coached by Dr. Acevedo-Duncan, May 16, 2009.*

**October 2008 Invited seminar:** *Role of PKC- $\iota$  in Cancer Cell Proliferation and Survival Department of Biology, USF, Tampa, Oct. 31, 2008*

**October 2008 Invited presentation:** *ICA-1: A novel antiproliferative and anticancer drug for neuroblastoma. EHRlich II - 2nd World Conference on Magic Bullets, Nurnberg, Germany, October 3, 2008,*

**May 2007 Symposium:** *Role of Atypical Protein Kinase C- $\iota$  in prostate cancer cell cycle,*

***proliferation and apoptosis.*** 2007 American Chemical Society Florida Annual Meeting and Exposition (FAME), Orlando, FL. Delivered by Hla Win, coached by Dr. Acevedo-Duncan, May 11, 2007

***December 2004 Invited seminar: Role of PKC-iota in Cancer Cell Proliferation and Survival.*** Moffitt-USF Chemistry Drug Discovery Group. Tampa, December 17, 2004

***December 2003 Symposium Speaker: Aloe-emodin modulates PKC isozymes, inhibits proliferation, and induces apoptosis in U-373MG glioma cells.*** International Aloe Science Council's Annual Scientific Seminar meeting. Las Vegas, NE. October 19, 2003

***May 1993 Minisymposium: Interferon modulates human glioma protein kinase C II.*** Proc. of the American Association of Cancer Research 34:1052a May 21, 1993.

***December 1983 Minisymposium: Isolation of a sperm receptor polypeptide from the sea urchin vitelline envelope.*** Annual meeting of American Society of Cell Biology, December 1983

## **14. BIBLIOGRAPHY**

### **14. A. Papers published in peer-reviewed journals**

Islam S. M. A , Patel, R., Bommareddy, R.R. , Khalid, K.M. Acevedo Duncan, M. (2018) The modulation of actin dynamics via atypical protein kinase-C activated cofilin regulates migration of colorectal cancer cells. *Cell Adhesion and Migration* (submitted and under review)

1. Apostolatos, A.H., Apostolatos, C.A., Ratnayake, W.S., Neuger, A., Sansil, S., Bourgeois, M., **Acevedo-Duncan, M.** (2018) "Preclinical testing of 5-amino-1-((1R,2S,3S,4R)-2,3-dihydroxy-4-methylcyclopentyl)-1H-imidazole-4-carboxamide (ICA-1S); a potent protein kinase C- $\iota$  inhibitor as a potential prostate carcinoma therapeutic" *Anti-Cancer Drugs* (In press)

2. Smalley, T., Apostolatos, C., Apostolatos, A., and **Acevedo-Duncan, M.** (2018) Analysis of PKC- $\zeta$  protein in Normal and Malignant Breast Tissue. *Oncology Letters* (In press).

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#### ***14. B. Book Chapters***

1. Nicosia, S.V., Nicosia, R.F., Saunders, B.O., Sun, X.Z., Pierri, E., **Acevedo-Duncan, M.**, Mansuso, S. (1994) Control of papillogenesis in benign and malignant ovarium mesothelium. In 3rd Sapporo International Symposium on Ovarium Function. (J. Strauss, Fugimoto, S., Eds) Cold Spring Harbor Laboratory Press, New York, N.Y.
2. Nicosia, S.V., B.O. Saunders, **M. Acevedo-Duncan**, S. Setrakian, and R. DeGregorio. (1991) Pathobiology of ovarian mesothelium. In: P.M. Motta (ed.) "Ultrastructure of the Ovary" Kluwer Academic

#### ***14. C. Other Research and Creative Activities***

1. US Patent Granted on Jan. 27, 2009 for Detection of PKC-iota as a Biomarker for Brain Tumorigenesis. Mildred Acevedo-Duncan and Rekha Patel. United States Patent number 7,482,131
2. US Patent Granted on June 11, 2013 for Method of Selectively Inhibiting PKCiota. Mildred Acevedo-Duncan, David Ostrov, Prajit Pillai, Shraddha Desai Hla Win, and Diondra Hill. United States Patent number 8,461,192

3. US Patent Granted on December 10, 2013, for Prostate Carcinogenesis Predictor. Mildred Acevedo-Duncan, Hla Win and Raoul Salup. United States Patent number 8,603,758.
4. US Patent Granted on May 6, 2014 for Use of PKC-iota inhibitors for the treatment of Glioma. Mildred Acevedo-Duncan. United States Patent number 8,716,266
5. US Patent Granted on April 1, 2016 Method of Treating Ovarian Cancer Using A PKC Inhibitor. Mildred Acevedo-Duncan, Minjel Shah, Christopher Apostolatos and Hercules Apostolatos. United States Patent number 9,301,965
6. US Patent Granted on May 31, 2016 Use of PKC-Iota Inhibitors for the Treatment of Breast Cancer. Mildred Acevedo-Duncan. United States Patent number 9,351,981.
7. US Patent Application filed on January 11, 2010 for. *PKC-Iota as a Target for Treatment of Neuroblastoma* **Mildred Acevedo-Duncan**, Rekha Patel, Quentin McAfee and Stacie Stapleton. United States Patent Application 61/307,509
8. US Patent Application filed on August 17, 2010 *PKC-eta (PKC- $\eta$ ) absence is a biomarker for adrenal and kidney neuroblastoma and PKC-theta (PKC- $\theta$ ) loss is a signature for kidney neuroblastoma.* **Mildred Acevedo-Duncan** and Rekha Patel
9. US Patent Application filed on September 21, 2010 *PKC- $\zeta$ : A breast cancer tumorigenic biomarker.* **Mildred Acevedo-Duncan** and Diondra Hill
10. US Patent Application filed on December 2, 2011 for PKC- $\epsilon$  and PKC- $\delta$  are targets for in-vivo neuroblastoma therapy. Mildred Acevedo-Duncan and Rekha Patel
11. US Patent Application filed on November 11, 2012 for Method of Predicting and Treating Neoplasias Using PKC-iota. Mildred Acevedo-Duncan
12. US Patent Application filed May 28, 2015 for A Method of Treating Prostate Cancer. **Mildred Acevedo-Duncan** and Andre Apostolatos
13. US Patent Application filed July 7, 2016 for Method of Treating Colorectal Cancers Using a PKC inhibitor. **Mildred Acevedo-Duncan** and Anisul Islam Serial No. 62/359,496
14. US Provisional Patent Application filed on June 2, 2016 for A Method of Treating Melanoma Using an Inhibitor of an Atypical Protein Kinase C. Mildred Acevedo-Duncan and Wishrawana Ratnayake Serial No. 62/344,747
15. US Provisional Patent Application filed on February 2, 2017 for A Method of Treating Malignant Melanoma Using an Atypical Protein Kinase C Inhibitor 3, 4-Diaminonaphthalene-2,

7-disulfonic acid (DNDA). Mildred Acevedo-Duncan and Wishrawana Ratnayake. Serial no. 62/453,751

#### ***14. D. Manuscripts Submitted and in Review***

#### ***14. E. Manuscript to be submitted***

1. Smalley, T., Shah, M, Apostolatos C., Apostolatos, A., Apostolatos, H., Ostrov, D., and Mildred Acevedo-Duncan (2018) Effects of PKC Inhibitors ICA-1 and ACPD on Ovarian Cancer Cell Proliferation, Atypical PKCs and RNA Levels. *Gynecological Oncology*

#### ***14. F. Manuscripts in Preparation***

#### ***15. Community Service:***

##### ***2006-present***

Member of self-governing “Women in Science” group, meeting monthly to mentor, foster interactions, and encourage women to remain in academic careers at U.S.F. and the VA.

##### ***2007***

Presenter at “The Great American Teach In” Plant City High School, Plant City, FL. October 2007

##### ***1996-2006***

Catechist (Sunday school teacher) at St. Clements Catholic Church Plant City, FL

##### ***1996***

Presenter at ”The Great American Teach In” Knight Elementary School Plant City, FL. October 1996

##### ***1996***

Presenter at the Girl Scouts, Plant City, FL. December 1996

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