

**Claudia E. Robert-Cooperman, Ph.D.**  
**Associate Professor & Assistant Dean of Undergraduate Studies**  
**Director, Health Sciences Program**  
**College of Public Health**  
**University of South Florida**  
**13201 Bruce B Downs Ave, MDC 56**  
**Tampa FL, 33612**  
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**Education**

University of Pennsylvania	Ph.D.	Cell & Molecular Biology	2000 - 2006
University of Central Florida	B.S.	Molecular Biology	1997 - 2000
Mount Holyoke College	B.S.	Biology	1990 - 1994

**Academic Appointments**

**Associate Professor & Assistant Dean of Undergraduate Studies**  
**Undergraduate Director, Health Science Program**  
**College of Public Health**  
University of South Florida  
2019 - current

**Undergraduate Director (Information Science and Health Science)**  
**School of Information**  
University of South Florida  
School of Information (Health Science Program moved)  
2016 - 2019

**Director Health Sciences Program**  
University of South Florida  
School of Public Affairs (Health Science Program moved)  
2014 - 2016

**Director Health Sciences Program**  
University of South Florida  
Department of Cell Biology, Microbiology and Molecular Biology  
2012 - 2014

**Visiting Instructor**  
University of South Florida  
Department of Cell Biology, Microbiology and Molecular Biology  
2010 - 2011

**Research Laboratory Director**  
Dr. Bryan Wolf's Lab  
Department of Pathology and Laboratory Medicine  
Children's Hospital of Philadelphia Research Institute  
2007 - 2010

<b>Adjunct - Assistant Professor of Biology</b> School of Science and Health Philadelphia University Courses taught; Biology, Cell biology, Genetics	2006 - 2010
<b>Postdoctoral Fellow</b> ( <i>with Dr. Bryan Wolf</i> ) Department of Pathology and Laboratory Medicine Children's Hospital of Philadelphia Research Institute University of Pennsylvania	2006 - 2007
<b>Teaching Assistant</b> Department of Biological Sciences University of Pennsylvania Courses taught; Genetics, Biology	2006
<b>Pre-Doctoral Graduate Student</b> Department of Biomedical Graduate Studies Cell and Molecular Biology University of Pennsylvania, School of Medicine	2000-2006
<b>Teaching Assistant &amp; Graduate Student</b> Department of Biological Sciences University of Central Florida	1997 - 2000

### **Curriculum Development and Teaching Activities**

#### **USF**

##### Curriculum Development:

- Proposed and planned for the interdisciplinary “ Institute for Health Science Information” (in progress/to be funded)
- Courses proposals written for undergraduate and general education council approval; HSC 2000, LIS 2500, LIS 4414 (2013-current)
- Developed and teach in the Health Science Internship program for BSHS majors. (15+ community partners) (2011-current)
- Designed, developed and wrote the USF BS in Health Science degree program (2011)

##### Assessment:

- Prepared the SACS 7 year full program review: BS in Health Science (undergoing now)
- Prepared the SACS 7 year full program review: BS in Information Studies (2019)
- Annual Assessment of BS in Information Studies for ODS/SACS (2016-current)
- Annual Assessment of BS in Health Science for ODS/SACS (2012-current)

Courses Taught:

**USF**

*\*Average student rating for courses 4.7*

*\*Average class size 150 students*

- Introduction to Health Professions
- Introductory Biology for Non Majors
- Cellular and Molecular Biology
- Cellular Processes (Bio 1 for Majors)
- Cell Biology
- Genetics
- Molecular Biology of the Cell
- STEM Pedagogy (Mentor)
- Independent Study
- Guided Research (Mentor)

New Courses Developed:

- Information Literacy (co-developed for general education curriculum)
- Information Policy and Ethics (co-developed for general education curriculum)
- Techniques in Cell and Molecular Biology (new course developed)
- Introduction to Health Professions (new course developed)
- Career Development for Health Science (new course developed)
- Field Placement for Health Science (new course developed)

Thesis Committees:

- Honors college thesis committee, Chair: Argon
- CMMB Masters thesis committee – Chair and/or member  
*Students:* C. Mencia, K. Henderson, M. Moore, D. Treyad, F. Ajubran, T.Squalls, B.Creamer, C. Benjamin, P. Rabut

Supervisory:

- Supervise Federal work study students, 2-4 per year
- Supervise Health Science program assistants
- Supervise Health science advising team (6.5)
- Supervise Graduate Assistant students in courses 4 per year

### Courses Taught:

- Biology
- Cell Biology
- Genetics

### Academic Service Activity

#### State level

- State of FL Board of Governors, Committee on State Mandated Prerequisites (2013-current)

#### University Level

- USF ATLE Faculty Learning Community (2014)
- USF Faculty Senate Admissions Council (2013-2016)
- USF Undergraduate Council (2013-2016)
- USF Food Studies Council (2012 – current)
- USF Pre-Health Advisory Council (2012)

#### College Level

- CAS Instructor Promotion Committee (2018- current)
- CAS Junior Faculty Mentor, CAS Mentoring Network (2013-current)
- CAS Technology Committee – *Chair (2015-2018)*
- CAS Undergraduate Director Committee (2012 – current)

#### Department Level

- USF School of Information Undergraduate Curriculum Committee – *Chair* (2016-current)
- USF School of Information Strategic Planning Committee (2016-current)
- USF School of Information Executive Committee (2016-current)
- USF School of Information Instructor Search Committee – *Chair & member (2011-2018 multiple committees)*
- USF SPA Strategic Planning Committee (2014-2016)
- USF SPA Executive Committee (2014-2016)
- USF CMMB Health Science Curriculum Committee – *Chair (2011-2013)*
- USF CMMB Awards Committee (2011-2013)
- USF CMMB Undergraduate Committee (2011-2013)

#### Community Level

- Guest speaker Great American Teach In (2012-current)
- Junior Achievement – Lecturer and Mentor (2012- current)
- Carrollwood Day School – Volunteer event coordinator (2016-2020)

- Hillsborough County Science fair judge (regional, 2012-2014)

#### Continuing Education/Certificates:

- USF Innovative Ed course design process. (2014)
- USF Online Instructor Certification (2013)
- USF Fink course “Designing Courses for Significant Learning” (2013)
- USF ATLE Tech Camp (2012)

#### Grant Activity

- NSF Grant PD 98-1332: “Effects of Ambivalent Sexism Experiences on Women’s Cardiovascular Responses, Performance and Interest in STEM Fields” Co-PI (Submitted).
- CREATE grant USF Office of Undergraduate Research (2012, 64 students were involved in the research project)
- USF Upward bound (700K+) Dept. of Education, Collaborator (2012)
- National Institutes of Health Pre-doctoral Minority Research Fellowship (2003-2005)

#### Honors and Awards

- CAS Faculty Merit Award (2016, 2017)
- USF Global Citizens Fellowship (2016)
- USF CMMB Outstanding Undergraduate Teaching Award (2014, program was moved so I was not given the departmental award)
- CREATTE Scholar award (2013)
- Invited Speaker, Keystone Symposium “Toward Understanding Islet Biology.” (2006).
- National Institutes of Health Pre-doctoral Minority Research Fellowship (2003-2005).
- Invited Presenter, American Diabetes Association Annual Meeting (2004, 2005).
- Invited Presenter, University of Pennsylvania BGS Research Conference (2004, 2005).
- Graduate Research Assistantship, University of Pennsylvania (2000-2002).
- Graduate Teaching Assistantship, Molecular Biology Department, University of Central Florida (1998-2000).
- Graduate Research Assistantship, University of Central Florida (1998-2000).
- Deans List, University of Central Florida (1998-2000).
- Deans Advisory Council, University of Central Florida (1999).

#### Publications

1. **Robert-Cooperman CE** and Stanback, B. 2019. Development of Field Placement Programs and Their Impact on Student Success. (*in preparation*)
2. Hagen, L., Keller, T., Neely, S., DePaula, N., & **Robert-Cooperman, C.** 2018. Crisis Communications in the Age of Social Media: A Network Analysis of Zika-Related Tweets. *Social Science Computer Review*, 36(5), 523–541.

3. **Robert-Cooperman CE**, Dougan GC, Moak SL, Athanson MG, Kuehl MN, Bell-Temin H, Stevens SM, Jr Burkhardt BR. 2014. Pander transgenic Mice Display Fasting Hyperglycemia and Hepatic Insulin Resistance. *J. Endocrinology* Jan 27;220(3):219-3
4. Wilson, CG, **Robert-Cooperman CE**, and Burkhardt BR. 2011. PANcreatic-DERived Factor: Novel Hormone PANDERing To Glucose Regulation. *FEBS Lett.* 21;585(14):2137-43.
5. **Robert-Cooperman CE**, Wilson CG, and Burkhardt BR. 2011. PANDER KO mice on high-fat diet are glucose-intolerant yet resistant to fasting hyperglycemia and hyperinsulinemia. *FEBS Lett.* 585(9):1345-9.
6. **Robert-Cooperman CE**, Carnegie JR, Wilson, CG, Yang J, Cook J, Wu J, Young RA, Wolf BA, Burkhardt BR. 2010. Targeted Disruption of PANcreatic DERived Factor (PANDER, FAM3B) Impairs Pancreatic Beta-Cell Function. *Diabetes.* 59(9):2209-18.
7. Carnegie JR, **Robert-Cooperman CE**, Wu J, Young RA, Wolf BA, Burkhardt BR. 2010. Characterization of the Expression, Localization, and Secretion, of PANDER in Alpha Cells. *Molec. Cellular Endo.* 325(1-2):36-45
8. Yang J, Wang C, Li J, Burkhardt BR, **Robert-Cooperman CE**, Wilson C, Gao, Wolf BA. 2009. PANDER binds to the liver cell membrane and inhibits insulin signaling in HEPG2 cells. *FEBS Letters Sep 17;583(18):3009-15.*
9. Patterson S, **Robert C**, Whittle C, Chakrabarti R, Doerig C, Chakrabarti D. 2006 Pre-replication Complex Organization in the Atypical DNA Replication Cycle of Plasmodium falciparum: Characterization of the mini chromosome maintenance (MCM) complex formation. *Molecular and Biochemical Parasitology Jan;145(1)50-9.*
10. Burkhardt BR, Greene SR, White P, Wong RK, Brestelli PE, Yang J, **Robert CE**, Brusko T, Wasserfall CH, Kaestner KH, Wu J, Atkinson MA, Wolf BA. 2005. PANDER-Induced Cell-Death Genetic Networks Reveals Central Role for Caspase-3 and Cyclin-Dependent Kinase Inhibitor 1A in Islet Apoptosis. *Gene. March;369: 134-141*
11. Yang J, **Robert CE**, Burkhardt BR, Young RA, Wu J, Gao Z, Wolf BA. 2005. Mechanisms of Glucose-Induced Secretion of PANDER in Pancreatic Beta Cells. *Diabetes, Nov; 54(11):3217-3228*
12. Burkhardt BR, Yang MC, **Robert CE**, Yang J, Greene SR, McFadden KK, Gao Z, Wolf, B.A. 2005. Tissue Specific and Glucose-Responsive Expression of the Pancreatic Derived Factor (PANDER) Promoter. *Biochim. Biophys. Acta. Sept 25;1730(3);215-225.*
13. Yang, J, Gao Z, **Robert CE**, Burkhardt BR, Gaweska H, Wagner A, Wu J, Greene SR, Young RA, Wolf BA. 2005 Structure-Function Studies of PANDER, an Islet Specific Cytokine Inducing Cell Death of Insulin Secreting Cells. *Biochemistry; Aug30;44(34) 11342-52.*
14. Cao X, Gao Z, **Robert CE**, Greene S, Xu G, Xu W, Bell E, Campbell D, Zhu Y, Young R, Trucco M, Markmann JF, Naji A, Wolf BA. 2003. Pancreatic-derived factor (FAM3B), a novel islet cytokine, induces apoptosis of insulin secreting  $\beta$ -cells. *Diabetes Sep; 52(9):2296-303.*

15. Xu W, **Robert CE**, Thornton PS, Spinner NB. 2003. Complete androgen insensitivity syndrome due to X chromosome inversion: a clinical report. *American Journal of Medical Genetics. Jul30; 120A(3):434-6*
16. Patterson S, Whittle C, **Robert C**, Chakrabarti D. 2002. Molecular characterization and expression of an alternate proliferating cell nuclear antigen homologue, PfPCNA2, in *Plasmodium falciparum*. *Biochem Biophys Res Commun. Nov 1;298(3):371-6*.

### **Books & Edited Works**

**Robert-Cooperman CE**, Eldredge C. Introduction to Health Professions; An Interdisciplinary Perspective (textbook) 2019. (expected) (in preparation)

Bozzone D. Green DS. Biology for the Informed Citizen. 2014 (editor and contributing author of test bank and intra text questions.)

### **Presentations/Abstracts**

1. Argon A., Byrnes J, Devalk J, Evanik J, Jamison K, Peet M, Persaud A, Ramgoolam S, Rodriquez L, **Robert-Cooperman CE**. 2012 Interested in Health Careers? Where Do You Fit In? USF Undergraduate Research Symposium. Tampa FL. (Poster Presentation)
2. Nooney B, **Robert-Cooperman CE**. 2012 Did You Choose a Major Based on Your Strengths? A Strengths Based Advising Approach for Health Science Students. USF Undergraduate Research Symposium. Tampa FL. (Poster Presentation)
3. Burkhardt, BR, Carnegie JR, **Robert-Cooperman CE**, Young RA, Wu J, Wolf BA. "Targeted Disruption of Pancreatic Derived Factor (PANDER, FAM3B) Impairs Glucose Tolerance, Insulin Secretion, and Hepatic Glucose Production." American Diabetes Association, 69<sup>th</sup> Scientific Session, June 5-9, 2009, New Orleans, LA. (Oral Presentation)
4. Carnegie JR., **Robert-Cooperman CE**, Burkhardt BR, Wu J, Young RA, Wolf BA. "Expression, Regulation and Role of PANcreatic DERived Factor (PANDER, FAM3B) in Pancreatic  $\alpha$ -Cells." American Diabetes Association, 69<sup>th</sup> Scientific Session, June 5-9, 2009, New Orleans, LA.
5. Carnegie JR, **Robert-Cooperman CE**, Burkhardt BR, Wu J, Wilson CG, Wolf BA. "Expression and Regulation of PANDER from pancreatic alpha cells." American Diabetes Association, 67<sup>th</sup> Scientific Session, June 22-26, 2007, Chicago, IL.
6. **Robert CE**, Koeberlein B, Wu J, Burkhardt BR, Naji A, Wolf. BA. "Transgenic Mice Overexpressing the Novel Islet Specific Cytokine, PANDER, Exhibit Glucose Intolerance On a High Fat Diet." Keystone Symposium. "Toward Understanding Islet Biology" February 23-28, 2006. Taos, NM. (Abstract and Oral Presentation)

7. Yang J, **Robert CE**, Burkhardt BR, Wilson C, Gao Z, Wolf BA. "PANcreatic DERived Factor (PANDER, FAM3B) Inhibits Liver Cell Insulin Signaling In Vitro and In Vivo." American Diabetes Association, 66<sup>th</sup> Scientific Session, June 9-13, 2006, Washington D.C.
8. **Robert CE**, Koeberlein B, Wu J, Burkhardt BR, Najj A, Wolf BA. "Transgenic Mice Overexpressing the Novel Islet Specific Cytokine, PANDER, Exhibit Glucose Intolerance and Decreased  $\beta$  Cell Mass." American Diabetes Association, 65th Scientific Session, June 10-14, 2005, San Diego,CA. (Late Breaking Abstract)
9. Burkhardt BR, Yang MC, **Robert CE**, Gao Z, Wolf BA. "Islet Cell-Line Specific and Glucose-Responsive Expression of the PANDER Promoter". American Diabetes Association, 65th Scientific Session, June 10-14, 2005, San Diego, CA.
10. Yang, J, **Robert CE**, Burkhardt BR, Young RA, Wu J, Gao Z, Wolf BA. "Mechanisms of Glucose-Induced Secretion of PANDER in Pancreatic  $\beta$  Cells." American Diabetes Association, 65th Scientific Session, June 10-14, 2005, San Diego, CA.
11. Yang J, **Robert CE**, Wagner A, Gao Z, Wolf B.A. "Structure-function studies of PANDER cytokine induction of  $\beta$ -cell death" June 4-8, 2004. The American Diabetes Association 64<sup>th</sup> Annual Scientific Sessions. June 4-8, 2004. Orlando, FL.
12. Burkhardt B, Yang M, **Robert CE**, Gao Z, Wolf BA. "The identification and characterization of the murine PANDER promoter reveals alpha cell specific expression." The American Diabetes Association 64<sup>th</sup> Annual Scientific Sessions. June 4-8, 2004. Orlando, FL.
13. **Robert CE**. "Genetic approaches to multiple sclerosis." Neurology Consultants/AMA seminar series. June, 2004. Orlando FL.
14. **Robert CE**, Wolf BA. "The role of PANDER, a novel pancreatic cytokine, in  $\beta$  cell function." The University of Pennsylvania BGS Research Conference. October, 2003. Philadelphia, PA.
15. Cao X, Gao Z, **Robert CE**, Greene S, Xu G, Xu W, Bell E, Campbell D, Zhu Y, Young R, Trucco M, Markmann JF, Najj A, Wolf BA. "Pancreatic-derived factor (FAM3B), a novel islet cytokine, induces apoptosis of insulin secreting  $\beta$  cells." The American Diabetes Association 62<sup>nd</sup> Annual Scientific Sessions. June 2-16, 2002. San Francisco, CA.
16. Patterson S, Whittle C, **Robert CE**, Chakrabarti D. 2002. "Molecular characterization and expression of an alternate proliferating cell nuclear antigen homologue, PfPCNA2, in *Plasmodium falciparum*." Annual Molecular Parasitology Meeting. September, 2001. Woods Hole, MA.
17. **Robert CE**, Moe D, Chakrabarti D. "MCM complex formation in *Plasmodium falciparum*." Annual Molecular Parasitology Meeting. October, 2000. Woods Hole, MA.