

# GSBS Educational Activities

**Faculty Name:** Dr. Jeffrey A. Frost

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This report covers a variety of formal activities tracked by the GSBS but is not intended to represent all graduate education activities of the faculty member. For example, informal mentoring efforts and activities that take place within specific GSBS graduate programs, non-GSBS programs, or academic departments are usually not included. When providing the report to others, faculty are encouraged to describe such activities in an attached Curriculum Vitae and/or Educational Statement.

**Institution/Department:** UT-MS/Integrative Biology & Pharmacology

**Member Since:** 4/1/2000      **Last Review:** 2/1/2018      **Next Review:** 4/1/2023      **Member Type:** Regular

## Courses Taught

Term	Lecture Hours	Title	Course Number	Role
2019 Summer	22.5	Scientific Writing for Grant Proposals	GS03 1111	Coordinator
2019 Spring	1.5	Scientific Writing	GS21 1152	Instructor
2018 Fall	2	BCB Seminar	GS12 1011	Discussion Leader
2018 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2017 Fall	2	Foundations of Biomedical Research	GS21 1017	Instructor
2017 Spring	4.5	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2016 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2016 Spring	2	Seminars in Integrative Biology and Pharmacology	GS12 1051	Discussion Leader
2015 Spring	4.5	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2015 Spring	1.5	Seminar in Cell Signaling and Regulation AKA Seminar In Regulatory Biology	GS04 1751	Instructor
2014 Spring	4.5	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2013 Fall	9	Cell Biology	GS04 1013	Coordinator
2013 Spring	6	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2012 Fall	5.5	Cell Biology	GS04 1013	Coordinator
2012 Spring	3	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2011 Fall	6	Cell Biology	GS04 1013	Coordinator
2011 Spring	4.5	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction	GS13 1024	Instructor
2010 Fall	1.5	Cell Biology	GS04 1013	Coordinator

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Faculty Name:	Dr.	Jeffrey	A.	Frost		
2009 Fall	2	Cell Biology			GS04 1013	Coordinator
2008 Fall	2	Cell Biology			GS04 1013	Instructor
2007 Fall	2	Cell Biology			GS04 1013	Instructor
2007 Spring	6	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction			GS13 1024	Instructor
2006 Fall	2	Cell Biology			GS04 1013	Instructor
2005 Fall	2	Cell Biology			GS04 1013	Instructor
2005 Spring	6	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction			GS13 1024	Instructor
2004 Fall	2	Cell Biology			GS04 1013	Instructor
2003 Fall	2	Cell Biology			GS04 1013	Instructor
2003 Spring	6	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction			GS13 1024	Instructor
2002 Fall	2	Cell Biology			GS04 1013	Instructor
2001 Fall	2	Cell Biology			GS04 1013	Instructor
2001 Spring	4.5	Molecular Basis of Cell Signaling a/k/a Mech Hormone Action & Signal Transduction			GS13 1024	Instructor

## Chair Of Advisory Committee

Student Name	Start Date	End Date	Degree	Grad Date
Mukherjee, Ashabari	04/21/2017		Ph.D.	
Morris, Christopher	06/08/2011	05/05/2012	M.S.	05/05/2012
	11/11/2009	06/08/2011	Ph.D.	
Kilpatrick, Shannan	08/29/2006	08/15/2007	M.S.	08/15/2007
	10/13/2004	08/29/2006	Ph.D.	
Wu, Xiaochong	01/08/2003	05/06/2006	Ph.D.	05/06/2006

## Secondary Advisor Of Advisory Committee

Student Name	Start Date	End Date	Degree	Grad Date
Olsen, Courtney	05/14/2014	05/04/2018	M.D./Ph.D.	05/04/2018
Schultz, Casey	08/17/2011	11/06/2017	Ph.D.	

## Member Of Advisory Committee

Student Name	Role	Start Date	End Date	Degree	Grad Date
Nguyen, Phuoc	Member (Outside Area)	05/08/2019		M.S.	
Morrissey, Rhiannon	Member	10/10/2018		Ph.D.	
Kaw, Kaveeta	Member (Outside Area)	08/08/2018		M.D./Ph.D.	

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Faculty Name:	Dr.	Jeffrey	A.	Frost			
Lin, Chenchu		Member		03/07/2018		Ph.D.	
Corsi, Ileana		Member (Outside Area)		10/04/2017		Ph.D.	
Kattan, Walaa		Member		08/09/2017		Ph.D.	
Jewell, Brittany		Member		12/14/2016		Ph.D.	
Nath, Vinay		Member (Outside Area)		05/11/2011		Ph.D.	
Subramaniam, Janani		Member		05/09/2018	08/14/2019	M.S.	08/14/2019
Litwin, Douglas		Member (Outside Area)		10/14/2015	08/14/2019	Ph.D.	08/14/2019
Memarzadeh, Kimiya		Member (On Site Advisor)		10/14/2015	08/14/2019	Ph.D.	08/14/2019
Hernandez Vargas, Servando		Member		08/09/2017	05/10/2019	M.S.	05/10/2019
Tan, Lingxiao		Member		08/14/2013	05/10/2019	Ph.D.	05/10/2019
Evans, Chris		Member (Outside Area)		06/15/2016	12/14/2018	Ph.D.	12/14/2018
Maxwell, Kelsey		Member		08/14/2013	05/04/2018	Ph.D.	05/04/2018
Fischer, Tara		Member (Outside Area)		09/10/2014	12/15/2017	Ph.D.	12/15/2017
Huang, Yu		Member		08/15/2012	12/15/2017	Ph.D.	12/15/2017
Nurik, Caitlin		Member (Outside Area)		09/10/2014	08/15/2017	Ph.D.	08/15/2017
Mukherjee, Seema		Member		12/14/2011	07/29/2017	Ph.D.	
Vila, Alejandro		Member		10/12/2011	12/16/2016	Ph.D.	12/16/2016
Lu, Maryia		Member		10/09/2013	05/07/2016	Ph.D.	
Fentress, Megan		Member (Outside Area)		06/11/2014	08/19/2015	Ph.D.	
Brand, Cameron		Member		06/13/2012	05/11/2015	Ph.D.	05/11/2015
Vishwamitra, Deeksha		Member (Outside Area)		04/11/2012	05/11/2015	Ph.D.	05/11/2015
Lucenay, Kimberly		Member		06/08/2011	05/11/2015	Ph.D.	05/11/2015
Ramaswamy, Swarna		Member (Outside Area)		11/09/2011	12/19/2014	Ph.D.	12/19/2014
Park, Jun Young		Member		03/21/2012	08/14/2014	Ph.D.	08/14/2014
Britton, George		Member (Outside Area)		08/14/2013	05/10/2014	M.S.	05/10/2014
Timsah, Zahra		Member		09/12/2012	05/10/2014	Ph.D.	05/10/2014
Jimenez Lopez, Claudia		Member (Outside Area)		05/12/2010	05/10/2014	Ph.D.	05/10/2014
Paul, Atanu		Member (Outside Area)		09/14/2011	09/11/2013	Ph.D.	05/05/2017
Rambahal, Nandini		Member (Outside Area)		11/09/2011	08/13/2013	M.S.	08/13/2013
Wahl, Arelly		Member (Outside Area)		01/11/2012	12/14/2012	M.S.	12/14/2012
DeBose, LaKiesha		Member		06/08/2011	12/14/2012	M.S.	12/14/2012
Hulsurkar, Mohit		Member		01/27/2012	12/12/2012	Ph.D.	08/16/2016
Byanova, Katerina		Member		04/13/2011	08/14/2012	M.S.	08/14/2012
Brand, Cameron		Member		09/08/2010	06/13/2012	Ph.D.	05/11/2015
Gonzalez, Dennisse		Member (Outside Area)		12/14/2011	05/05/2012	M.S.	05/05/2012
Baskin, Kedryn		Member		04/22/2008	05/05/2012	Ph.D.	05/05/2012
Wang, Yanran		Member (Outside Area)		06/09/2010	01/11/2012	Ph.D.	05/11/2015
Rambhadran, Anu		Member		05/29/2009	12/16/2011	Ph.D.	12/16/2011
Rambahal, Nandini		Member (Outside Area)		09/14/2011	11/09/2011	Ph.D.	
DeBose, LaKiesha		Member		11/11/2009	06/08/2011	Ph.D.	
Latham, Leigh		Member (Outside Area)		06/12/2008	05/08/2010	Ph.D.	05/08/2010

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Faculty Name:	Dr.	Jeffrey	A.	Frost			
Kurinna, Svitlana		Member (Outside Area)		02/22/2007	05/08/2010	Ph.D.	05/08/2010
Pichot, Christina		Member (On Site Advisor)		08/09/2006	05/08/2010	Ph.D.	05/08/2010
Riefler, Gary		Member		10/13/2004	05/08/2010	Ph.D.	05/08/2010
James, Johanna		Member		08/12/2009	01/11/2010	M.S.	
Molina, Jennifer		Member (Outside Area)		09/12/2007	12/18/2009	Ph.D.	12/18/2009
Ramirez, Melissa		Member (Outside Area)		10/02/2006	12/18/2009	Ph.D.	12/18/2009
Baameur, Faiza		Member		09/14/2005	12/18/2009	Ph.D.	12/18/2009
James, Johanna		Member		05/13/2009	08/12/2009	Ph.D.	
Rodriguez, Georgialina		Member (On Site Advisor)		11/10/2004	12/19/2008	Ph.D.	12/19/2008
Schoberle, Taylor		Member		10/01/2007	08/13/2008	M.S.	08/13/2008
Lafont, Andrea		Member		06/14/2006	08/13/2008	Ph.D.	08/13/2008
Piggott, Leslie		Member		12/14/2005	05/03/2008	Ph.D.	05/03/2008
Carmon, Kendra		Member		01/12/2005	05/03/2008	Ph.D.	05/03/2008
Cheng, Hanyin		Member (On Site Advisor)		07/13/2005	12/14/2007	Ph.D.	12/14/2007
Ross, Jeremy		Member		03/09/2005	12/14/2007	Ph.D.	12/14/2007
Yin, Shanguhua		Member		03/10/2004	08/15/2007	Ph.D.	08/15/2007
Yang, Hailing		Member		05/11/2005	05/05/2007	Ph.D.	05/05/2007
Wang, Ruoning		Member		11/12/2003	05/05/2007	Ph.D.	05/05/2007
Kurinna, Svitlana		Member		05/11/2005	01/10/2007	Ph.D.	05/08/2010
Nabils, Nancy		Member (Outside Area)		07/21/2006	12/15/2006	M.S.	12/15/2006
Nica, Alina		Member		07/21/2006	12/15/2006	M.S.	12/15/2006
Nabils, Nancy		Member		07/13/2005	07/21/2006	M.S.	12/15/2006
Nica, Alina		Member		06/09/2004	07/21/2006	Ph.D.	
Morales, Julio		Member		05/11/2005	12/16/2005	Ph.D.	12/16/2005
Nguyen, Bao		Member		09/12/2001	08/16/2005	Ph.D.	08/16/2005
Cheng, Hanyin		Member		11/12/2003	07/13/2005	Ph.D.	12/14/2007
Yin, Shanguhua		Member		12/01/2004	05/07/2005	M.S.	05/07/2005
Mohsenin, Amir		Member		09/10/2003	04/08/2005	M.D./Ph.D.	12/15/2006
Long, Dorothy		Member		05/08/2002	03/09/2005	M.D./Ph.D.	
Cheng, Qing		Member		07/09/2003	08/30/2004	Ph.D.	
Hanafy, Khalid		Member		12/11/2002	08/17/2004	M.D./Ph.D.	08/17/2004
Chen, Zhao		Member (Outside Area)		11/12/2003	06/09/2004	Ph.D.	08/13/2008
Carman, Aaron		Member		09/12/2001	02/25/2004	Ph.D.	12/19/2008
Zhang, Fan		Member		10/14/1992	02/08/1995	Ph.D.	05/10/1997

## Examining Committee Participation

Student Name	Role	Exam Date
Morrissey, Rhiannon	Member	08/14/2019
Wilkenfeld, Sandi	Member	04/10/2019
Figueroa, Mary	Member (Outside Area)	11/14/2018

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Blackburn, Alexandria	Member	09/12/2018
Kattan, Walaa	Member	09/12/2018
Corsi, Ileana	Member (Outside Area)	08/08/2018
Manalo, Jeanne	Member (Outside Area)	08/08/2018
Forseth, Kiefer	Member (Outside Area)	04/11/2018
Debes, Samantha	Member (Outside Area)	11/08/2017
Jewell, Brittany	Chair	10/04/2017
O'Malley, John	Member (Outside Area)	10/04/2017
Costa, Renan Murillo	Member (Outside Area)	09/13/2017
Coronel, Luisa	Member (Outside Area)	08/09/2017
Bailey, Cavan	Member (Outside Area)	09/14/2016
Diaz-Rohrer, Blanca	Member	09/14/2016
Memarzadeh, Kimiya	Member (Outside Area)	09/14/2016
Walker, Christopher	Member (Outside Area)	09/14/2016
Xiong, Jian	Member	09/14/2016
Callegari, Keri	Member (Outside Area)	10/14/2015
Olsen, Courtney	Member	10/05/2015
Baldwin, Tanya	Member	09/09/2015
Evans, Chris	Member (Outside Area)	09/09/2015
Ford, Amy	Member (Outside Area)	09/09/2015
Hergenroeder, Georgene	Member (Outside Area)	09/09/2015
McCarthy, Michael	Member	09/09/2015
Fischer, Tara	Member (Outside Area)	06/10/2015
Mangieri, Leandra	Member (Outside Area)	04/08/2015
Tan, Lingxiao	Chair	01/14/2015
Peters, Andrew	Chair	11/12/2014
Fitzgibbon, Randi	Chair	10/15/2014
Fortune, Ryan	Member	10/15/2014
Lu, Maryia	Chair	10/15/2014
Maxwell, Kelsey	Chair	10/15/2014
Peffer, Sara	Member (Outside Area)	09/10/2014
Huang, Yu	Member	02/12/2014
Vila, Alejandro	Member (Outside Area)	09/11/2013
Sirisaengtaksin, Natalie	Member (Outside Area)	08/14/2013
Suen, Kin Man	Member	04/10/2013
Paul, Atanu	Member (Outside Area)	08/15/2012
Rowlett, Veronica	Member (Outside Area)	08/15/2012
Vishwamitra, Deeksha	Member (Outside Area)	07/11/2012
Park, Jun Young	Member	11/09/2011
Rodriguez, Meredith	Member	11/09/2011
Brand, Cameron	Chair	09/21/2011
Hocker, Harrison	Member (Outside Area)	09/21/2011
Schultz, Casey	Chair	08/17/2011
Jimenez Lopez, Claudia	Member (Outside Area)	02/09/2011
Gonzalez, Dennisse	Member	07/13/2010
Garza, Isaac	Member	10/14/2009
Vayttaden, Sharat	Chair	05/14/2008
Nabils, Nancy	Member	01/31/2008
Baskin, Kedryn	Member	10/10/2007
Papke, Christina	Member	10/10/2007

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Pichot, Christina	Member (Outside Area)	10/10/2007
Baameur, Faiza	Member	05/24/2007
Carmon, Kendra	Member	02/13/2006
Ramirez, Melissa	Member (Outside Area)	02/08/2006
Riefler, Gary	Member (Outside Area)	12/09/2005
Yin, Shanghua	Member	10/12/2005
Latham, John	Member	09/14/2005
Piggott, Leslie	Member	08/30/2005
Chen, Zhao	Member	08/10/2005
Wang, Ruoning	Member	02/09/2005
Cheng, Hanyin	Member	12/01/2004
Wang, George	Member	12/01/2004
McCampbell, Adrienne	Member	10/13/2004
Mohsenin, Amir	Member	10/13/2004
Ross, Jeremy	Member	10/08/2004
Yang, Hailing	Member	06/09/2004
Long, Dorothy	Member (Outside Area)	03/10/2004
Carman, Aaron	Member (Outside Area)	11/05/2003
Nguyen, Bao	Member	12/11/2002
Lieb, James	Member	10/19/1993

## Tutorials Supervised

Student Name	Term
Mukherjee, Ashabari	2017 Spring
Jewell, Brittany	2016 Spring
Chinnam, Naga babu	2015 Fall
Liu, Qian	2010 Fall
Morris, Christopher	2008 Fall
Shirley, Heather	2008 Spring
Duong, Mylinh	2007 Spring
Baameur, Faiza	2005 Spring
Kilpatrick, Shannan	2003 Fall
Hu, Zhiying	2003 Summer
Qin, Taichun	2002 Fall
Wu, Xiaochong	2002 Fall
Zhang, Jing	2001 Fall
Nguyen, Bao	2001 Summer

## Program Affiliation

Program	Role	Start Date	End Date
Biochemistry and Cell Biology	Member	09/01/2018	
Genetics and Epigenetics	Member	03/01/2017	
Biochemistry and Cell Biology	Co-Director	03/01/2017	08/31/2018
Cell and Regulatory Biology [Phase Out]	Director	09/01/2014	
Cell and Regulatory Biology [Phase Out]	Co-Director	05/15/2013	08/31/2014
Cell and Regulatory Biology [Phase Out]	Member	01/01/2001	05/14/2013
Regulatory Biology	Member	04/01/2000	12/31/2000

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Pharmacology Track	Member	04/01/2000	07/31/2006
Physiology Track	Member	04/01/2000	12/31/2002

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Program	Subcommittee Name	Role	Start Date	End Date
Biochemistry and Cell Biology	Steering	Member	4/1/2017	8/31/2019
Biochemistry and Cell Biology	Admissions & Recruitment	Member	1/1/2018	12/31/2018
Biochemistry and Cell Biology	Workshop	Member	8/1/2017	8/31/2018
Neuroscience	Candidacy Exam	Member	9/1/2016	8/31/2018
Cell and Regulatory Biology	Exam	Member	9/1/2013	8/31/2017
Cell and Regulatory Biology	Steering Committee	Chair	9/1/2014	8/31/2016
Cell and Regulatory Biology	Admissions	Chair	9/1/2014	8/31/2015
Cell and Regulatory Biology	Recruitment	Chair	1/1/2001	12/31/2012
Cell and Regulatory Biology	Journal Club Coordinator	Coordinator	1/1/2006	12/31/2008
Cell and Regulatory Biology	Steering Committee	Member	1/1/2003	12/31/2008
Cell and Regulatory Biology	Retreat Coordinator	Coordinator	1/1/2006	12/31/2007

## Standing Committee Participation

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Committee Type	Start Date	End Date	Committee Role
Program Coordinating	10/1/2015	9/30/2017	Chair
Executive	10/1/2015	9/30/2017	Member
Program Coordinating	10/1/2014	9/30/2015	Member
Recruiting Council	10/1/2012	9/30/2013	Member
Membership Committee	10/1/2011	9/30/2012	Chair
Executive	10/1/2011	9/30/2013	Member
Membership Committee	10/1/2010	9/30/2011	Co-Chair
Membership Committee	10/1/2009	9/30/2010	Member
Membership Committee	10/1/2008	9/30/2009	Alternate
Curriculum Committee	10/1/2004	9/30/2007	Member

## GSBS Representation on Institutional Committees

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Committee Type	Start Date	End Date	Committee Role
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## Professional Development

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Activity	Role	Start Date
Research Mentor Training_1/2-day @Rice	Participant	01/01/2014

## Innovative Educational Activities

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Activity	Description	Start Date	End Date
Other - Core Course Task Force - member	Core Course Task Force - member	11/01/2013	08/31/2014

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## Program Reviewer

Date	Program
06/14/2013	Human and Molecular Genetics [Phase Out]

## Scholarship Fellowship Reviewer

Date	Description
08/01/2019	Presidents' Research Scholarship
10/30/2004	Cameron Foundation Fellowship

## Major Educational Awards

Award	Date
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## Awards Received

Date	Description
04/01/2013	Reappointment to the UT GSBS Faculty with Commendation
04/01/2008	Reappointment to the UT GSBS Faculty with Commendation
09/25/2003	HSC Honors Convocation Recipient

## Outreach/Other Activities

Date	Description
3/9/2018	Attended Visitation Dinner (BCB rep)
2/9/2018	Attended Visitation Dinner (BCB rep)
3/21/2017	Attended GSBS Faculty Meeting
8/24/2016	Pathway Advisor 2016
5/5/2016	Attended Faculty Town Hall
2/19/2016	Attended GSBS Faculty Meeting
9/17/2015	Attended GSBS Faculty Meeting
5/13/2015	Attended GSBS Faculty Meeting
9/11/2014	Attended GSBS Faculty Meeting
5/29/2013	Attended GSBS Faculty Meeting
2/14/2013	Attended GSBS Faculty Meeting
9/13/2012	Attended GSBS Faculty Meeting
2/9/2012	Attended GSBS Faculty Meeting
9/8/2011	Attended GSBS Faculty Meeting



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9/4/2008	Attended GSBS Faculty Meeting
2/14/2008	Attended GSBS Faculty Meeting
9/1/2007	Medical School's GSEC Poster Judge
4/1/2007	Research Day Poster Judge
9/1/2006	Medical School's GSEC Poster Judge
5/12/2006	Attended 2006 Faculty Retreat
9/1/2005	Medical School's GSEC Poster Judge
9/1/2004	Medical School's GSEC Poster Judge
9/1/2003	Medical School's GSEC Poster Judge

## Applicant Interviews

<b>Applicant Name</b>	<b>Interview Date</b>
Morrill, Jessie	03/09/2018
Strong, Lisa	03/09/2018
Herzog, Sarah	02/23/2018
Olivas, Taryn	02/23/2018
Van Ravenstein, Sabrina	02/23/2018
Newsome, Rachel	02/09/2018
Ho, Kevin	03/09/2017
Moore, Haley	03/09/2017
VanderWal, Arica	03/09/2017
Castillo, Maryann	02/23/2017
Sundaraman, Balaji	02/23/2017
Tseng, Chunche	02/23/2017
West, Savannah	02/23/2017
Abetov, Danysh	02/09/2017
Lopez, Elia	03/10/2016
Manalo, Jeanne	03/10/2016
Ravikrishnan, Janani	02/25/2016
Ulrich, Charles	02/25/2016
Bryant, Jamal	02/11/2016
Tellman, Tristen	02/11/2016
Chinnam, Naga babu	03/05/2015
Lawrence, Liesl	03/05/2015
Coronel, Luisa	02/19/2015
Huynh, Andrew	02/19/2015
Alladin, Ashna	02/05/2015
Pham, Tri	02/05/2015
Pham, Thanh	02/05/2015
Tisza, Michael	03/06/2014
Wilson, Cory	03/06/2014
Bullock, Bonnie	02/06/2014
Lopez, Erin	01/31/2013
Sliker, Bailee	01/31/2013
Guldner, Ian	01/17/2013

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Imam, Sabrina	07/05/2012
Sharp, Daniel	07/05/2012
Trimmer, Kenneth	03/08/2012
Cho, Youngjin	02/02/2012
Mike, Elise	02/02/2012
Packard, Emily	02/02/2012
Davis, Andrew	01/27/2012
Elkin, Sarah	01/27/2012
Tucker, Jeannette	04/07/2011
Carpio, Lomeli	02/10/2011
Rowlett, Veronica	04/08/2010
Raja, Geraldine	02/25/2010
Pal, Sangita	01/28/2010
Paul, Atanu	01/28/2010
Strube, Laura	01/28/2010
Nair, Priyanka	02/14/2008
Arcipowski, Kelly	03/15/2007
Cotto-Rios, Xiomaris	03/15/2007
Maili, Lorena	03/15/2007
Munoz, William	03/15/2007
Calinski, Diane	03/23/2006
Daniel, Jeremy	03/23/2006
Duong, Mylinh	03/23/2006
Suire, Colby	02/23/2006
Duren, Ryan	02/09/2006
James, Johanna	04/14/2005
Wu, Yujane	04/14/2005
Hansen, Ingrid	03/10/2005
Hogan, Julia	03/10/2005
Yates, Melinda	03/11/2004
Betancourt, Tania	03/13/2003
Ewald, Brett	03/13/2003
Lee, Olivia	03/13/2003
Brinkman, Mary	03/07/2002
Elizondo, Leah	03/07/2002
Tyson, Tamika	02/21/2002
Whitham, Nicholas	03/15/2001

## CURRICULUM VITAE

**NAME:**

Jeffrey A. Frost, Ph.D.

**DATE:** 8/22/19**PRESENT TITLE:**

Professor

**WORK ADDRESS:**

The University of Texas Medical School at Houston  
Department of Integrative Biology and Pharmacology  
6431 Fannin St., MSE R374  
Houston, TX 77030  
Tel.: 713-500-6319  
FAX: 713-500-7444  
e-mail: jeffrey.a.frost@uth.tmc.edu

**BIRTHDATE:**

February 26, 1964

**CITIZENSHIP:**

United States of America

**UNDERGRADUATE EDUCATION:**

B.A in Biochemistry and Cell Biology, 1987, University of California at San Diego

**GRADUATE EDUCATION:**

Ph.D. in Biochemistry, 1993, University of California at San Diego; James R. Feramisco,  
Ph.D., mentor

**POSTGRADUATE TRAINING:**

Postdoctoral Fellowship, 1993 – 1998, Department of Pharmacology, The University of  
Texas Southwestern Medical Center; Melanie H. Cobb, Ph.D., mentor.

**ACADEMIC APPOINTMENTS:**

Instructor, Department of Pharmacology, The University of Texas Southwestern Medical  
Center, 1998 – 1999

Assistant Professor, Department of Integrative Biology and Pharmacology  
The University of Texas Medical School at Houston, 1999 – 2007

Associate Professor, Department of Integrative Biology and Pharmacology  
McGovern Medical School at UTHealth, 2007 – 2018

Professor, Department of Integrative Biology and Pharmacology  
McGovern Medical School at UTHealth, 2018 to present

Adjunct Member of Graduate Faculty, Texas A&M University, 2015 to present

### **PROFESSIONAL ORGANIZATIONS:**

#### **National:**

American Society for Biochemistry and Molecular Biology, 2000 – 2007  
Federation of American Societies for Experimental Biology, 2004 – 2008  
American Association for Cancer Research, 2008 to present  
American Society for Microbiology, 2012 to 2015  
American Society for Cell Biology, 2013 to present  
The Endocrine Society, 2018 to present

### **HONORS AND AWARDS:**

National Research Service Award, 1995 – 1997

American Cancer Society Research Scholar, 2002 –2007

Dean's Excellence Award, 2004  
The University of Texas Graduate School of Biomedical Science (GSBS)

Dean's Teaching Excellence Award, 2008, 2010, 2012, 2013, 2015, 2017  
McGovern Medical School at UTHealth

Session chair, Translating the Biophysics of Molecular Switches: Signaling Mechanisms and Inhibition of Ras and Rho GTPases, ASMBM Special Symposia, 2014

Session chair, Spotlight session on Cancer Cell Signaling, American Society for Biochemistry and Cell Biology, National Meeting, 2018.

### **EDITORIAL POSITIONS:**

#### Editorial Board

Small GTPases, 2016 to present

#### Reviewer, 25-30 manuscripts per year

American Journal of Pathology  
BBA – Molecular Cell Research

Biochemical Journal  
BMC Cancer  
BMC Research Notes  
Breast Cancer Research  
Cancer Letters  
Cell & Bioscience  
Cell Communication and Signaling  
Cell Regulation  
Experimental Cell Research  
Journal of Biological Chemistry  
Journal of Cell Science  
Journal of Health Care for the Poor and Underserved  
Molecular and Cellular Biology  
Molecular Biology of the Cell  
Molecular Cancer Research  
Molecular Pharmacology  
Nature  
Nature Communications  
Oncogene  
Oncotarget  
PLOS ONE  
Proceedings of the National Academy of Sciences  
Science Signaling  
Tumor Biology

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

Member, American Heart Association Western States Review Consortium, 2001 – 2005  
Gulf Coast Digestive Disease Center (ad hoc), 2002 to present  
National Science Foundation, (ad hoc), 2008  
University of Houston Grants to Enhance and Advance Research (GEAR) program (ad hoc), 2008  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, 2007  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, IPA#3, 2008  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, IPA#9, 2009  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, IPA#3, 2009  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, Concept Award Review, 2009  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CON-CBY-B, 2010  
Congressionally Directed Medical Research Program (CDMRP), Breast Cancer

Research Program, CBY-2, 2012  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-2, 2013  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-4, 2014  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-6, 2014  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, EHOP, 2014  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-5, 2015  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-3, 2016  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-3, 2017  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-6, 2017  
Congressional Directed Medical Research Program (CDMRP), Breast Cancer Research Program, CBY-3, 2018  
Oak Ridge Associated Universities, Pennsylvania Department of Health (ad hoc), 2009 – 2011  
Hispanic Health Disparities Research Center, 2010, 2011  
MD Anderson Uterine Cancer SPORE, External Advisory Committee, 2012 – present.  
Ohio Cancer Research (ad hoc), 2017  
NIH, Tumor Promotion and Metastasis Study Section (ad hoc), 2/2017  
NIH, 2018/01 ZCA1 RPRB-F (J1) P, PO1 Review Panel, NCI (ad hoc), 2017  
NIH, Tumor Promotion and Metastasis Study Section (ad hoc), 2/2018  
NIH, ZCA1 RPRB-F (J1), P01 Review Panel, NCI (ad hoc), 9/2018  
University of Toledo, Research Advancement Pilot Grants (ad hoc), 4/2018

### **SERVICE ON INTERNATIONAL GRANT REVIEW PANELS**

Austrian Academy of Sciences (ad hoc), 2008  
Health Research Board, Ireland (ad hoc), 2009  
Austrian Science Board, Wittgenstein Award (ad hoc), 2010  
German-Israeli Foundation for Scientific Research and Development (ad hoc), 2014

### **SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON HEALTH SCIENCE CENTER (UT-HSC) COMMITTEES:**

Biosafety Committee, Member, 2000 – 2013  
UT System Biosafety Committee, Member, 2004 – 2013  
Research Day Poster Judge, 2007 – 2009  
Cancer Prevention and Research Institute of Texas (CPRIT) Internal Review Committee, 2009, 2010, 2014

**SERVICE ON THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES:**

Faculty Senate, 2000 – 2002

Medical Student Applicant Interviewer, 2001

Common Equipment Committee, Department of Integrative Biology and Pharmacology, 2002 – 2008

Department of Integrative Biology and Pharmacology Five Year review, Research Committee, 2002

Signal Transduction Seminar Series Organizer, 2004 – 2014

Medical School Graduate Student Education Committee, 2003 – 2006

Research Committee, 2006 – 2009

Webber Prize for Student Research, Judge, 2008, 2009

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2001

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2008

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2009

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2010

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2011

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2012

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2013

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2014

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2015

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2016

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2017

Department of Integrative Biology and Pharmacology Faculty Search Committee, 2018

*(In all, I participated in identifying and interviewing approximately 80 faculty candidates and the hiring of 17 faculty members to the department).*

UTHealth Summer Undergraduate Research Program, IBP representative, 2008 – 2015

Postdoctoral Association Advisor, 2009 to 2014

Postdoctoral Association Oral Presentation reviewer, 2011

Department of Pediatrics Faculty Search Committee, 2012

Medical School Compensation Committee, 2013 to 2018

Medical School Curriculum Revision Committee, Hematology and Pathogen Defense Module, 2014 to 2017

Medical School Graduate Student Education Committee, co-Chair, 2014 – 2015

Medical School Graduate Student Education Committee, Chair, 2015 to 2017

Department of Pediatrics Faculty Search Committee, 2017

UT Health-GradSURP Summer Undergraduate Research Program, Director, 2016 to present

Department of Integrative Biology and Pharmacology Faculty Review Committee, 2018 to present

Medical School Animal Welfare Committee, 2018 to present

Faculty Affairs Promotion and Tenure Committee, *Ad hoc*, 2019

### **SERVICE ON GRADUATE SCHOOL OF BIOMEDICAL SCIENCE COMMITTEES:**

Cell and Regulatory Biology Program Student Recruitment Committee, Chair, 2001 – 2005

Cell and Regulatory Biology Program Steering Committee, Member, 2003 – 2017

Cell and Regulatory Biology Program Student Applicant Reviewer, 2002 – 2011

Cell and Regulatory Biology Program Journal Club Leader, 2004 – 2005

Cell and Regulatory Biology Program Retreat Leader, 2006 – 2009

Cell and Regulatory Biology Program Co-Director, 2013 to 2014

Cell and Regulatory Biology Program Director, 2014 to 2017

Biochemistry and Cell Biology Program Co-Director, 2017-2018

GSBS Curriculum Committee, 2004 – 2007

GSBS Faculty Retreat, 2006

GSBS Membership Committee, 2009 – 2012 (Chair, 2012)

GSBS Executive Committee, 2011 – 2013, 2015 to 2017

GSBS Recruiting Council, 2012 – 2014

GSBS Core Curriculum Task Force, 2013 to 2014

GSBS Program Coordinating Committee, 2014 to 2017

GSBS Program Coordinating Committee, Chair, 2015 to 2017

Biochemistry and Cell Biology Program Steering Committee, 2018 to present

GSBS President's Research Scholarship Review Committee, 2019

### **SERVICE ON GRADUATE SCHOOL MASTER'S STUDENT COMMITTEES:**

#### **Advisory (5 students):**

Shanghua Yin, M.S. 2005

Nancy Nabilsi, M.S. 2007

Lakiesha Dubois, M.S. 2012

Katarina Byanova, M.S. 2012

George Britton, M.S. 2014

#### **Exam (2 students):**

Shanghua Yin, M.S. 2005

Nancy Nabilsi, M.S. 2007

#### **Supervisory (16 students):**

Shanghua Yin, M.S. 2005

Nancy Nabilsi, M.S. 2007

Alina Nica, M.S. 2007

Taylor Schoberle, M.S. 2008

Johanna James, M.S. 2009

Lakiesha Dubois, M.S. 2012

Katarina Byanova, M.S. 2012

Christopher Morris, M.S. 2012

Denisse Gonzalez, M.S. 2012

Nandini Maharaj, M.S. 2013

Arely Gonzalez, M.S. 2013



George Britton, M.S. 2014  
Eric Malmberg, M.S. 2017  
Servando Vargas, M.S. 2018  
Janani Subramaniam, current  
Phuoc Nguyen, current

**SERVICE ON GRADUATE SCHOOL DOCTORAL STUDENT COMMITTEES:**

**Advisory committees (49 students):**

Bao Nguyen, Ph.D. 2005  
Aaron Carman, Ph.D. 2007  
Dorothy Long, Ph.D. 2006  
Qing Cheng, Ph.D. 2005  
Amir Mohsenin, Ph.D. 2006  
Hanyin Cheng, Ph.D. 2007  
Zhao Chen, Ph.D. 2007  
Ruoning Wang, Ph.D. 2007  
Alina Nica, switched to MS program, 2006  
Gary Riefler, Ph.D. 2009  
Georgialina Rodriguez, Ph.D. 2008  
Jeremy Ross, Ph.D. 2007  
Kendra Carmon, Ph.D. 2008  
Svitlana Kurinna, Ph.D. 2009  
Faiza Baameur, Ph.D. 2009  
Chrissy Pichot, Ph.D. 2010  
Anu Rambhadran, Ph.D. 2012  
LaKiesha DeBose, M.S. 2012  
Christopher Morris (Chair), M.S. 2012  
Yanran Wang, M.S. 2016  
Claudia Jimenez-Lopez, Ph.D. 2014  
Cameron Brand, Ph.D. 2015  
Vinay Nath, left graduate school  
Casey Schultz, advanced to examination  
Mohit Hulksakar, Ph.D. 2017  
Alejandro Vila, Ph.D. 2016  
Seema Mukherjee, advanced to examination  
Swarma Ramaswamy, Ph.D. 2014  
Atanu Paul, Ph.D. 2017  
Deeksha Vishwamitra, Ph.D. 2015  
Yu Huang, Ph.D. 2017  
Lingxiao Tan, Ph.D. 2019  
Mariya Liu, advanced to examination  
Kelsey Maxwell, Ph.D. 2018  
Courtney Olsen, Ph.D. 2018  
Megan Burwell, moved to Master's thesis track  
Tanya Baldwin, Ph.D. 2019

Tara Fisher, Ph.D. 2017  
Michael McCarthy, Ph.D. 2018  
Caitlin Nurik, Ph.D. 2017  
Blanca Barbara Diaz-Rohrer, advanced to examination  
Kimiya Memarzadeh, Ph.D. 2019  
Douglas Litwin, Ph.D. 2019  
Jian Xiong, advanced to examination  
Brittany Jewel, advanced to examination  
Ileana Corsi, current  
Chenchu Pin, current  
Kaveeta Kaw, current  
Rhiannon Morrissey, current

**Exam committees (71 students):**

Bao Nguyen, Ph.D. 2005  
Dorothy Long, Ph.D. 2006  
Amir Mohsenin, Ph.D. 2006  
Adrienne McCambell, Ph.D. 2006  
Aaron Carmen, Ph.D. 2007  
Hailing Yang, Ph.D. 2007  
Jeremy Ross, Ph.D. 2007  
Hanyin Cheng, Ph.D. 2007  
Ruoning Wang, Ph.D. 2007  
George Wang, Ph.D. 2008  
Leslie Piggott, Ph.D. 2008  
John Latham, Ph.D. 2009  
Shanghua Yin, Ph.D. 2008  
Zhao Chen, Ph.D. 2007  
Gary Riefler, Ph.D. 2009  
Kendra Carmon, Ph.D. 2008  
Melissa Ramirez, Ph.D. 2009  
Faiza Baameur, Ph.D. 2009  
Nancy Niblisi, Ph.D. 2009  
Christina Pichot, Ph.D. 2010  
Christina Papke, Ph.D. 2010  
Kedryn Baskin, Ph.D. 2012  
Sharat Vayttaden (Chair), Ph.D. 2012  
Denisse Gonzalez, M.S. 2012  
Claudia Jimenez-Lopez, Ph.D. 2014  
Casey Schultz (Chair), passed  
Cameron Brand (Chair), Ph.D. 2015  
Harrison Hocker, Ph.D. 2014  
Meredith Rees, Ph.D. 2015  
Jun Young Park, Ph.D. 2014  
Veronica Wells, passed  
Deeksha Vishwamitra, Ph.D. 2015

Atanu Paul, Ph.D. 2017  
Kin Man Suen, Ph.D. 2014  
Natalie Sirisaengtaksin, Ph.D. 2017  
Alejandro Vila, Ph.D. 2016  
Huang Yu, Ph.D. 2017  
Sarah Peffer, passed  
Randi Stewart (Chair), Ph.D. 2017  
Kelsey Maxwell (Chair), Ph.D. 2018  
Ryan Fortune, Ph.D. 2018  
Maryia Lu (Chair), dropped out  
Andrew Peters (Chair), Ph.D. 2017  
Lingxiao Tan (Chair), passed  
Leandra Mangieri, Ph.D. 2018  
Tara Fisher, Ph.D. 2017  
Tanya Baldwin, passed  
Chris Evans, Ph.D. 2018  
Georgene Hergenroeder, Ph.D. 2018  
Michael McCarthy, Ph.D. 2018  
Keri Callegari, Ph.D. 2018  
Hanna Shin, Ph.D. 2018  
Blanca Barbara Diaz-Rohrer, passed  
Kimiya Memarzadeh, Ph.D. 2019  
Christopher Walker, passed  
Jian Xiong, passed  
Cavan Bailey, passed  
Andrew Thanh Huynh (Baylor College of Medicine), passed  
Luisa Coronel, passed  
Renan Costa, passed  
John O'Malley, passed  
Brittany Jewell (Chair), passed  
Samantha Debes, passed  
Kiefer Forseth, passed  
Jeanne Manalo, passed  
Alexandria Blackburn, passed  
Walaa Kattan, passed  
Mary Figueroa, passed  
Ileana Corsi, passed  
Sandi Wilkenfeld, current  
Rhiannon Morrissey, current

**Supervisory committees (42 students):**

Khalid Hanafy, Ph.D. 2004  
Bao Nguyen, Ph.D. 2005  
Julio Morales, Ph.D. 2005  
Jeremy Ross, Ph.D. 2007  
Hailing Yang, Ph.D. 2007

Hanyin Cheng, Ph.D. 2007  
Ruoning Wang, Ph.D. 2007  
Leslie Piggott, Ph.D. 2008  
Georgialina Rodriguez, Ph.D. 2009  
Shanghua Yin, Ph.D. 2008  
Andrea Lafont, Ph.D. 2008  
Kendra Carmon, Ph.D. 2008  
Gary Riefler, Ph.D. 2009  
Melissa Ramirez, Ph.D. 2009  
Svitlana Kurinna, Ph.D., 2009  
Faiza Baameur, Ph.D. 2009  
Christina Pichot, Ph.D. 2010  
Jennifer Molina, Ph.D. 2010  
Leigh Curtis, Ph.D. 2010  
Kedryn Baskin, Ph.D. 2012  
Anu Rambhadran, Ph.D. 2012  
Kimberly Szymanski, Ph.D. 2015  
Claudia Jimenez-Lopez, Ph.D. 2014  
Jun Young Park, Ph.D. 2014  
Zahra Timsah, Ph.D. 2014  
Swarma Ramaswamy, Ph.D. 2014  
Casey Schultz, withdrew from graduate school  
Deeksha Vishwamitra, Ph.D. 2015  
Cameron Brand, Ph.D. 2015  
Alejandro Vila, Ph.D. 2016  
Seema Mukherjee, withdrew from graduate school  
Tara Fischer, Ph.D. 2017  
Kelsey Maxwell, Ph.D. 2018  
Courtney Olsen, Ph.D. 2018  
Lingxiao Tan, Ph.D. 2019  
Chris Evans, Ph.D. 2018  
Hanna Shin, Ph.D. 2018  
Blanca Barbara Diaz-Rohrer, current  
Kimiya Memarzadeh, Ph.D. 2019  
Douglas Litwin, Ph.D. 2019  
Jian Xiong, current  
Brittany Jewel, current

**SERVICE TO THE COMMUNITY:**

Baylor College of Medicine 16<sup>th</sup> Annual Graduate Symposium External Judge, 2004  
Komen for the Cure Breast Cancer Walk, 2013 – 2015  
Palmer Church Food Bank, GSBS Dean's Cup, 2014  
Ph.D. Advisory committee, Hannah Shin, Texas A&M IBT, 2014 – 2016  
Ph.D. Exam Committee, Hannah Shin, Texas A&M, IBT, 2016  
Ph.D. Supervisory Committee, Hannah Shin, Texas A&M, IBT, 2016 – present

Ph.D. Exam Committee, Andrew Nguyen, Baylor College of Medicine, 2016

**SPONSORSHIP OF DOCTORAL TUTORIAL STUDENTS:**

Bao Nguyen, Spring, 2001  
Jing Li, Fall, 2001  
Xiaochong Wu, Fall, 2002  
Taichun Qin, Fall, 2002  
Zhiying Hu, Spring, 2003  
Shannan Kilpatrick, Fall, 2003  
Faiza Baameur, Spring, 2005  
Mylinh Duong, Winter 2007  
Heather Shirley, Spring 2008  
Christopher Morris, Fall 2008  
Qian Liu, Fall 2010  
Naga Babu Chinnam, Fall 2015  
Brittany Jewel, Spring 2016  
Ashabari Mukherjee, Spring 2017

**SPONSORSHIP OF SUMMER RESEARCH STUDENTS:**

**Undergraduate:**

Cynthia Herrick, Yale University, 2000; Went on to medical school.  
Kristin Yates, Pomona College, 2001; Went to graduate school in Biomedical Sciences at Yale University.  
Jessica Liao, University of Pennsylvania, 2003; Went to medical school.  
LaGina Nosavanh, Delaware State University, 2004; Received M.S. at UT GSBS, 2010.  
Marilyn Meza, 2007.  
Ana Cordova, 2008. Working at Fred Hutchinson Cancer Center, Seattle, WA.  
Minhee Park, 2010. Rice University B.S. 2012. Currently a graduate student in Bioengineering at Boston University.  
Seav Huong Ly, 2011. Currently attending Harvard University Graduate School.  
Brittany Appelboom, 2012. Currently attending graduate school.  
Sarah Lach, 2015, 2016. Currently a senior at Clark University.  
Madeline Jones, 2016, 2017. Currently a junior at Spring Hill College, Mobile, AL  
Adriana Herrera, 2017. Currently a junior at Baylor University  
Srividya Kottapalli, 2018. Currently a sophomore at UT Austin  
Jiayin Li, 2019. Currently a rising senior at UT Austin

**Graduate:**

Shang Jialin, 2016. Currently a fourth year graduate student at Shanghai Jiao-Tong University School of Medicine, China.  
Zhou Fan, 2018. Currently a second year graduate student at Shanghai Jiao-Tong University School of Medicine, China.

**Medical:**

Hsin-Hsuan Juo, 2006; Fen Jen Catholic University Medical School, graduated 2010.  
Yukiya Sako, 2009. Graduated from University of Tokushima Medical School in 2011.  
Pallavi Dev, 2018. University of Texas Southwestern Medical School, 2018.

### **SPONSORSHIP OF UNDERGRADUATE RESEARCH STUDENTS**

Adriana Nigaglioni, Rice University, Fall, 2017  
Adriana Nigaglioni, Rice University, Spring, 2017  
Tracey Tse, Rice University, Fall, 2017  
Tracey Tse, Rice University, Fall, 2019

### **SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:**

Xiaochong Wu, Ph.D., 2003 – 2006. Currently a staff scientist at The Hospital for Sick Children, Toronto, Canada  
Shannan K. Kilpatrick, MS., 2004 – 2007. Currently a special education teacher at Spring Branch ISD.  
Hanyin Cheng, Ph.D., 2005 – 2007 (co-mentor). Currently a clinical analyst at Baylor Miraca Genetics Laboratories.  
Christina Pichot, Ph.D., 2008 – 2010 (co-mentor). Postdoctoral fellow in the Department of Molecular and Cellular Biology, Baylor College of Medicine, 2010 – 2013.  
Christopher Morris, M.S., 2008 – 2012. Currently working in commercial sector.  
Courtney Olsen, M.D., Ph.D. (co-mentor), 2017 – 2018. Currently a surgery fellow at Stanford University.  
Ashabari Mukherjee, Ph.D., 2017 – present.  
Kimiya Memarzadeh, Ph.D., 2018 – present (co-mentor)

### **SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

Tilahun Jiffar, June 2007 – December 2007. Currently a Research Scientist at the MD Anderson Cancer Center.  
Hanyin Cheng, Oct. 2007 – Apr. 2008. Currently a Clinical Analyst at Baylor Miraca Genetics Laboratories.  
Mingguang Liu, Feb. 2008 – Sept. 2009. Currently a Research Assistant with Dr. Kun-Sang Chang, MD Anderson Cancer Center.  
Chang Xu, Aug. 2008 – June 2009. Currently working in China.  
Sarita Menon, Aug. 2009 – Feb. 2011. Currently an Adjunct Assistant Professor at the University of Houston-Downtown and owner of Sandscreative, LLC.  
Wonkyung Oh, Nov. 2010 – Dec. 2015. Currently a Research Professor at the Medical School of Chosun, University in South Korea. Supervisor: Hojin Yoo  
Yan Zuo, Jan. 2011 – 2015. Currently an Instructor in my lab.  
Arzu Ulu, Sept. 2014 – 2018. Currently an Senior Scientist at UC Riverside.

### **CLINICAL FACULTY MENTORSHIP:**

Diana Jalal, M.D., 2007 – 2008. Currently in private practice.

## **CURRENT TEACHING RESPONSIBILITIES:**

### **UT Graduate School of Biomedical Sciences**

#### **Course Director**

Cell Biology (GS040013), 2009 to 2014, 20-30 students per year

Scientific Writing for Grant Proposals (GS03 1111), 2019 to present, 40 hrs, 19 students

#### **Lecturer**

Seminars in Regulatory Biology, 2001, 3 hours, 10-12 students per year

Topics in Molecular Medicine (GS21 1611), 2005, 1 hour, 8-10 students per year

Cell Biology (GS040013), 2000 to 2014, 3 hours, 20-25 students per year. Lecture topics: The Nucleus; Cytoskeleton II.

Mechanisms of Hormone Action and Signal Transduction, 2000 – 2007, 6 hours, 5-10 students per year. Lecture topics: MAP kinases; Kinases; Phosphatases; Rho GTPases.

Molecular Basis of Cellular Signaling (GS13 1024), 2011 – present, 4.5 hours, 5-10 students per year. Lecture topics: Kinases and phosphatases; Rho GTPases; Rho regulatory proteins.

Seminar in Cellular Signaling and Regulation (GS04 1721), 2015, 7.5 hours, 9 students.

Foundations of Biomedical Research (GS21 1017), 2016 – present, 2 hrs, 40-50 students per year. Lecture topics: Small GTPases and Motility; Nuclear Membrane and Nuclear Pores, Nuclear Membrane Protein Import/Export.

Scientific Writing (GS21 1152), 2018, 24 hrs. Writing mentor.

### **Medical School**

#### **Lecturer**

Medical Pharmacology, 2000 – 2017. 6 hours, 240 students per year. Lecture topics: Antibiotics I; Antibiotics II; Antibiotics III; Anti-parasitics; Anti-emetics and Anorexigenics; Immunosuppressants.

Foundations module, 2018 – present. Antibiotics I; Antibiotics II; Anti-parastics; Immunosuppressants; Review sessions.

Hematology, immune system and pathogens module, 2017 – present. 5 hrs, 240 students. Lecture topics: Antibiotics I; Antibiotics II; Anti-parasitics; Immunosuppressants; Review session.

GI module, 2017 – present. 1 hr, 240 students. Lecture topic: Emetics, anti-emetics, and anorexigenics.

## **OTHER TEACHING ACTIVITIES:**

#### **Exam Proctor**

Medical Pharmacology, 2000 – 2017

Medical Physiology, 2000 – 2017

**CURRENT GRANT SUPPORT:**

NIH/NCI 5R01CA172129, "Role of the RhoGEF Net1 in Breast Cancer Motility and Metastasis", 4/1/14 – 3/31/20 (1 year NCE), \$1,892,400.  
Role: PI.

NIH/NIDDK 4R01DK106357, "Regulation of Somatostatin Receptor Signaling by Receptor Interacting Proteins", 3/1/2016 – 2/29/20, \$1,366,628.  
Role: PI.

NIH/NCI R01CA215186-01A1 "LIN28 and RNA Uridylation in Breast Cancer: Mouse Models and Molecular Analyses", PI: John Hagan, 08/01/2017 – 07/31/2022, \$1,803,660.  
Role: Collaborator

NIH/NCI 1F31CA232634-01, "Elucidating the Role of Src and JNK signaling in Net1A-dependent Breast Cancer Metastasis", PI: Ashabari Mukherjee, 8/01/18 – 7/31/21, \$94,563.  
Role: Mentor

ALS Association "Role of the extracellular matrix in C9-ALS", 09/01/19 – 08/31/20, \$50,000.  
Role: PI

**PENDING GRANT SUPPORT:**

DOD BCRP, "Targeting the tumor microenvironment and metastatic niche in breast cancer", 09/01/19 – 8/31/22, \$699,000.  
Role: PI

NIH/NCI, "The Net1 signaling Axis in breast cancer metastasis", 04/1/20 – 3/21/25, \$2,259,280.  
Role: PI

CPRIT, "Targeting the tumor microenvironment and metastatic niche in breast cancer", 03/01/20 – 2/28/23, \$900,000.  
Role: PI

CPRIT RP200047, "KRAS Spatiotemporal Dynamics: Novel Therapeutic Targets", PI: John Hancock, 03/01/20 – 2/28/23, \$900,000.  
Role: Collaborator

NIH-NIGMS R01 GM132277-01A1, "Membrane interaction of lipidated small GTPases: orientation landscape and druggability", PI: Alex Gorfe, 09/01/19 – 08/31/24, \$3,597,139.  
Role: Collaborator



## **PAST GRANT SUPPORT:**

NIH Research Service Award Postdoctoral Fellowship, "Regulation of ERK Pathway Activation by Novel Signaling Complexes", PI: Jeffrey A. Frost, 9/1/95 – 2/28/97.

American Heart Association Scientist Development Grant, "The Role of PAKs in IL1 $\beta$ -Dependent Signaling", PI: Jeffrey A. Frost, 1/1/99 - 12/31/02, \$279,400.

American Cancer Society Research Project Grant, RSG-01-193-01-TBE, "Regulation of Raf-1 Activity by p21-Activated Kinases", PI: Jeffrey A. Frost, 7/1/02 – 6/30/07, \$864,000.

Susan G. Komen Breast Cancer Foundation Research Grant, BCTR123806, "The Role of the Rho Exchange Factor NET1 in Breast Cancer", PI: Jeffrey A. Frost, 5/06 – 5/08, \$250,000.

NIH/NCI 5R01CA116356-05, "RhoGEFs in Cellular Proliferation and Transformation", PI: Jeffrey A. Frost, 6/1/07 – 4/30/12\*, \$1,264,826  
\*no cost extension to 4/30/13

NIH/NCI 3R01CA116356-04S1, "RhoGEFs in Cellular Proliferation and Transformation", PI: Jeffrey A. Frost, 5/1/10 – 4/30/12\*, \$113,166  
\*no cost extension to 4/30/13

Cancer Prevention and Research Institute of Texas (CPRIT) RP100502, "The role of Net1 in the cellular response to ionizing radiation in breast cancer", PI: Jeffrey A. Frost, 9/1/10 – 7/31/13\*, \$1,093,462.  
\*No cost extension 8/1/13 – 1/31/14

DOD BCRP BC112395, "Regulation of ATM-dependent DNA damage responses in breast cancer by the RhoGEF Net1", PI: Wonkyung Oh, 4/1/12 – 5/31/15, \$437,026.  
Role: Mentor.

CPRIT RP160015, "UT Health Innovation in Cancer Prevention Research Training Program", PI: Arzu Ulu, 6/1/17 – 5/31/18, \$61,314.  
Role: Mentor.

## **PUBLICATIONS:**

### **A. ABSTRACTS (\*Presented)**

1. **Frost, J.A.\***, Meinkoth, J.L., Sosnowski, R., Schonthal, A., and Feramisco, J.R.: Regulation of gene expression by the c-Myc proto-oncogene protein. Sixth Annual Meeting on Oncogenes, 1990.

2. Sosnowski, R., Rose, D., Meinkoth, J.L., **Frost, J.A.**, and Feramisco, J.R.: Regulation of immediate early gene expression by microinjected proteins and antibodies. Sixth Annual Meeting on Oncogenes, 1990.
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15. Tran, N.H. and **Frost, J.A.\***: Regulation of B-Raf Activity by Ras and PAKs. Gordon Research Conference on Second Messengers and Protein Phosphorylation, 2004.
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17. Carr, H.S., Dubinsky, W.P., Kainnen, K., and **Frost, J.A.**: Net1 Inactivates the Tumor Suppressor Dlg1 to Stimulate Cellular Proliferation. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2006.
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19. Cheng, H., Ross, J., Stepkowski, S., **Frost, J.A.**, and Kirken, R.A.: Regulation of Janus Tyrosine Kinase 3 (JAK3) activity by novel tyrosine phosphorylation. Keystone Symposia on Cell Signaling and Proteomics, 2007.
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21. Carr, H.S. Cai, C., Keinanen, K., and **Frost, J.A.**: Interaction of the RhoA exchange factor Net1 with Dlg1 protects it from degradation and potentiates activity. AACR conference on Advances in Breast Cancer Research, 2009.
22. Carr, H.S. and **Frost, J.A.\***: The RhoGEF Net1 is required for breast cancer cell motility and invasion, CPRIT Innovations in Cancer Research and Prevention, 2010.
23. Menon S.G. and **Frost, J.A.\***: Defining the role of the RhoGEF Net1 in mitosis. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2011.
24. Oh, W. and **Frost, J.A.**: Regulation of ATM-dependent DNA damage signaling in human breast cancer cells by the RhoGEF Net1A. AACR Annual Research Meeting, 2013.

25. Song, E.H., Yan, Z., Carr, H.S. and **Frost, J.A.\***: Acetylation of the RhoA GEF Net1A controls its cellular activity. ASBMB Symposium; Translating the biophysics of molecular switches: signaling mechanisms and inhibition of Ras and Rho GTPases, 2014.
26. **Frost, J.A.\***, Zuo, Y., Carr, H.S., Rao, P.H., and Oh, W.: The RhoGEF Net1 contributes to genomic stability and is regulated by mitotic kinases. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2015.
27. **Frost, J.A.\***, Zuo, Y., Carr, H.S., Rao, P.H., and Oh, W.: The RhoGEF Net1 contributes to genomic stability and is regulated by mitotic kinases. FASEB Summer Research Conference on Mitosis: Spindle assembly and function, 2015.
28. Zuo, Y., Ulu, A., and **Frost, J.A.**: Contributions of the RhoGEF Net1 to mammary gland tumorigenesis and metastasis. FASEB Summer Research Conference on Cell signaling in cancer: from mechanisms to therapy, 2016.
29. Ulu, A, Oh, W., Zuo, Y., and **Frost, J.A.**: Regulation of the subcellular localization of the RhoGEF Net1A by JNK1 and CRM1. FASEB Summer Research Conference on Cell signaling in cancer: from mechanisms to therapy, 2016.
30. Jones, M., Ulu, A., and **Frost, J.A.**: The interaction of SH2 domain proteins with Net1A in breast cancer cells. Southeastern Regional Meeting of the American Chemical Society, 2016
31. **Frost, J.A.\***, Ulu, A., Chang, J.T., and Zuo, Y.: The RhoA subfamily GEF Net1 is required for mammary gland tumorigenesis and metastasis. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2017.
32. Ulu, A., Oh, W., Zuo, Y., and **Frost, J.A.** Stress activated MAPKs and CRM1 regulate Net1A subcellular localization to control cell motility and invasion. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2017.
33. Van der Hoeven, D., Cho, K.J., Zhou, Y., Ma, X., Chen, W., Naji, A., Kovar, S.E., Montufar-Solis, D., Zuo, Y., **Frost, J.A.**, van der Hoeven, R.V., and Hancock, J.F. Ceramide-sphingomyelin balance is an important regulator of K-Ras function. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2017.
34. Ulu, A., Zuo, Y., Oh, W., and **Frost, J.A.** Playing at the 'NET' benefits breast cancer metastasis. Innovations in Cancer Prevention and Research Conference, 2017.

35. Jones, M., Ulu, A., Yan, Z., and **Frost, J.A.** Net1A Inhibitors: Looking for Synergy. American Chemical Society National Meeting, 2018.
36. Ulu, A., Zuo, Y., and **Frost, J.A.** Regulatory mechanisms controlling the subcellular localization and activity of the RhoA GEF Net1 in breast cancer. ASBMB National Meeting, 2018
37. Zuo, Y. and **Frost, J.A.** Regulation of tumor microenvironment and metastatic niche remodeling by the RhoGEF Net1. FASEB Summer Research Conference on Regulation and Function of Small GTPases, 2019.

## **B. REFEREED ORIGINAL ARTICLES IN JOURNALS**

1. Schonthal, A., Alberts, A.S., **Frost, J.A.** and Feramisco, J.R. (1991) Differential regulation of Jun family gene expression by the tumor promoter okadaic acid. *The New Biologist* 3: 977-986.
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3. Alberts, A.S., **Frost, J.A.**, Thorburn, A.M. (1993) Rapid transcription assay for the expression of two distinct reporter genes by microinjection. *DNA and Cell Biol.* 12(10): 935-943.
4. Born, T.L.\*, **Frost, J.A.\***, Prendergast, G.C. and Feramisco, J.R. (1993) c-Myc cooperates with activated Ras to induce the cdc2 promoter. *Mol. Cell. Biol.* 14(9): 5710-5718. \*Contributed equally to this work.
5. **Frost, J.A.**, Geppert, T.D., Cobb, M.H. and Feramisco, J.R. (1994) A requirement for extracellular signal-regulated kinase (ERK) function in the activation of AP-1 by Ha-Ras, Phorbol 12-myristate 13-acetate, and serum. *Proc. Natl. Acad. Sci.* 91: 3844-3848.
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11. Gilbreth, M., Yang, P., Wang, D., **Frost, J.**, Polverino, A., Cobb, M.H., and Marcus, S. (1996) The highly conserved *skb1* gene encodes a protein that interacts with Shk1, a fission yeast Ste20/PAK homolog. *Proc. Natl. Acad. Sci.* 93: 13802-13807.
12. Wilk-Blaszczak, M.A., Singer, W.D., Quill, T., Miller, W., **Frost, J.A.**, Sternweis, P.C., and Belardetti, F. (1997) The monomeric G proteins Rac1/Cdc42 are required for the inhibition of voltage-dependent calcium current by bradykinin. *J. Neurosci.* 17(11): 4094-4100.
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21. Qin, H., Carr, H.S., Wu, X., Muallem, D., Tran, N.H. and **Frost, J.A.** (2005) Characterization of the Biochemical and Transforming Properties of the Neuroepithelioma Transforming Gene 1. *J. Biol. Chem.* 280 (9): 7603-7613.
22. Alberts, A.S., Qin H., Carr, H.S. and **Frost, J.A.** (2005) PAK1 Negatively Regulates the Activity of the Rho Exchange Factor NET1. *J. Biol. Chem.* 280 (13): 12152-12161.
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28. Wu X., Carr, H.S., Dan, I., Ruvolo, P.P. and **Frost, J.A.** (2008) p21 activated kinase 5 activates Raf-1 and targets it to mitochondria. *J. Cell. Biochem.* 105, 167-175.
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32. Ross, J.A., Cheng, H., Nagy, Z.S., **Frost, J.A.** and Kirken, R.A. (2010) Protein phosphatase 2A (PP2A) regulates interleukin-2 receptor complex formation and JAK3/STAT5 activation. *J. Biol. Chem.*, *285*, 3582-3591.
33. Pichot, C.S., Hartig, S.M., Arvanitis, D., Jensen, S., Bechill, J., Marzoul, S., Scita, G., **Frost, J.A.** and Corey, S.J. (2010) Cdc42 interacting protein 4 promotes breast cancer cell invasion and formation of invadopodia through activation of N-WASp. *Cancer Res.*, *70*, 8347-8356.
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35. Carr H.S., Zuo, Y., Oh, W. and **Frost, J.A.** (2013) The RhoA GEF Net1 controls FAK activation to regulate breast cancer cell migration and invasion. *Mol. Cell. Biol.* *33*(14), 2773-2786.
36. Menon, S. and **Frost, J.A.** (2013) The RhoA GEF Net1 controls mitotic Pak and Aurora A activation to regulate mitotic progression. *Mol. Biol. Cell.*, *24*(17), 2655-2667.
37. Yang, Q., Wu, Z., Hadden, J.K., Crook, R.J., Zuo, Y., **Frost, J.A.** and Walters, E.T. (2014) Persistent pain after spinal cord injury is maintained by primary afferent activity. *J. Neurosci.*, *34*(32):10765-9.
38. Oh, W. and **Frost, J.A.** (2014) Rho GTPase independent regulation of ATM activation and cell survival by the RhoGEF Net1A. *Cell cycle*, *13*(17):2765-72.
39. Zuo, Y., Berdeaux, R. and **Frost, J.A.** (2014) The RhoGEF Net1 is required for normal mammary gland development. *Mol. Endo.*, *28*(12):1948-60.
40. Song, E.H., Carr, H.S., Zuo, Y. and **Frost, J.A.** (2015) Acetylation dependent regulation of the subcellular localization and activity of the RhoGEF Net1A. *J. Cell. Sci.*, *128*(5):913-22.
41. Wu, Z., Li, L., Xie, F., Du, J., Zuo, Y., **Frost, J.A.**, Carlton, S.M., Walters, E.T., and Yang, Q. (2017) Suppression of spontaneous activity in DRG neurons by



activation of KCNQ channels reduces chronic pain after spinal cord injury. *J. Pain., Journal of Neurotrauma*, 34(6):1260-1270.

42. Van der Hoeven, D., Cho, K.J., Zhou, Y., Ma, X., Chen, W., Naji, A., Kovar, S.E., Montufar-Solis, D., Zuo, Y., **Frost, J.A.**, van der Hoeven, R.V., and Hancock, J.F. (2017) Sphingomyelin metabolism is a regulator of KRAS function. *Mol.Cell.Biol.* Nov 20. pii: MCB.00373-17. doi: 10.1128/MCB.00373-17.
43. Zuo, Y., d'Aigle, J., Chauhan, A., and **Frost, J.A.** (2017) Genetic deletion of the Rho GEF *Net1* impairs macrophage motility and actin cytoskeletal organization. *Small GTPases*, Dec 31:1-8. doi: 10.1080/21541248.2017.1405772.
44. Ulu, A., Oh, W., Zuo, Y., and **Frost, J.A.** (2018) Regulation of subcellular localization of the RhoGEF Net1A by stress activated MAPKs and CRM1. *J.Cell.Sci*, 131(3), jcs204644. doi:10.1242/jcs.204644.
45. Zuo, Y., Ulu, A., Chang, J., and **Frost, J.A.** (2018) Contributions of the RhoA guanine nucleotide exchange factor Net1 to polyoma middle t antigen mediated mammary gland tumorigenesis and metastasis. *Breast Cancer Res.*, 20(1):41. doi: 10.1186/s13058-018-0966-2.
46. Rodrigues, M., **Frost, J.A.**, and Schonbrunn, A. (2018) Real-time signaling assays demonstrate somatostatin agonist bias for ion channel regulation in somatotroph tumor cells. *J.Endo.Soc.*, 2(7):779-793. doi: 10.1210/js.2018-00115.
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### C. INVITED REVIEW ARTICLES IN JOURNALS

1. Cobb, M.H., Xu, S., Hepler, J.E., Hutchison, M., **Frost, J.** and Robbins, D.R. (1994) Regulation of the MAP kinase cascade. *Cell and Mol. Biol. Res.*, 40(3), 253-256.
2. **Frost, J.A.** (2008) Net1. UCSD-Nature Molecule Pages (doi:10.1038/mp.a001630.01)
3. **Frost, J.A.** (2011) Net1 (Neuroepithelial Cell Transforming Gene 1 Protein). *Encyclopedia of Signaling Molecules*. In: Choi S. (eds) *Encyclopedia of Signaling Molecules*. Springer, Cham.

4. Carr, H.S. and **Frost, J.A.** (2013) Timing is everything: Rac1 controls Net1A localization to regulate cell adhesion. *Cell Adhes. Migrat.*, 7(4), 351-356.
5. Zuo, Y., Oh, W. and **Frost, J.A.** (2014) Controlling the switches: Rho GTPase regulation during animal cell mitosis. *Cell. Signalling*, 26(12):2998-3006.
6. Zuo, Y., Oh, W., Ulu, A. and **Frost, J.A.** (2016) Mouse models of Rho GTPase function in mammary gland development, tumorigenesis and metastasis. *Mol. Endo*, 30(3):278-89.
7. Ulu, A. and **Frost, J.A.** (2016) Regulation of RhoA activation and cytoskeletal organization by acetylation. *Small GTPases*, 7(2):76-81.
8. **Frost, J.A.** (2018) Net1 (Neuroepithelial Cell Transforming Gene 1 Protein). *Encyclopedia of Signaling Molecules*, 2<sup>nd</sup> edition In: Choi S. (eds) *Encyclopedia of Signaling Molecules*. Springer, Cham.
9. Ulu A. and **Frost, J.A.** (2018) Regulation of RhoA Activation and Cell Motility by c-Jun N-terminal Kinases and Net1. *Small GTPases*, 1-7. doi: 10.1080/21541248.2018.1536638.

#### D. PATENTS

1. Provisional applications filed:  
 Title: Fendiline Derivatives  
 Application #: 62/814,251  
 Date: march 5, 2019  
 Inventors: John F. Hancock, Dharini van der Hoeven, **Jeffrey A. Frost**, Jia Zhou, Na Ye, Pingyuan Wang

#### E. INVITED PRESENTATIONS

1. "Cross-cascade regulation of the ERK pathway by Rho family proteins". Fiftieth Annual Gordon Conference on Cancer, 8/6/97.
2. "Regulation of MAPK activity by small G proteins and their effectors". University of Alabama, Birmingham, Department of Pathology, 11/21/97.
3. "Characterization of PAK1-dependent signaling within the cell". Genentech, Department of Oncology, 10/98.
4. "Signaling Pathways controlled by the Rac/Cdc42hs effector PAK1". University of Kentucky, Department of Biochemistry, 10/98.

5. "Regulation of cell signaling by the Rac/Cdc42 effector PAK1". University of Chicago, Ben May Cancer Institute, 3/99.
6. "Regulation of cell signaling by p21-activated kinases". UT Houston Health Sciences Center, Department of Pathology, 4/6/01.
7. "Regulation of Raf-1 activation by Rho family small G proteins". UT Houston M.D. Anderson Cancer Center, Department of Molecular Genetics, 4/3/02.
8. "Regulation of MAPK signaling and Rho protein activation by p21-activated kinases". Institute for Molecular Medicine, UT Houston Health Science Center, 2/14/03.
9. "Regulation of MAPK activity and cytoskeletal organization by p21-activated kinases". Texas Southern University, School of Pharmacy, 11/13/03.
10. "Regulation of the actin cytoskeleton and cellular transformation by the Rho exchange factor NET1". UT HSC Young Guns Seminar Series, 6/29/04.
11. "Regulation of the actin cytoskeleton and cellular transformation by the Rho exchange factor NET1". University of Houston, College of Pharmacy, 3/22/05.
12. "The scientific education process from a BMS graduate's perspective", University of California at San Diego, School of Medicine, Biomedical Sciences graduate program retreat, 9/20/05.
13. "Casting a wide Net: The Rho exchange factor Net1 in cytoskeletal regulation and cancer". University of California at San Diego, Department of Pharmacology, School of Medicine, 9/20/05.
14. "Casting a wide Net: The Rho exchange factor Net1 in cytoskeletal regulation and cancer". Texas A&M University Health Science Center, Cardiovascular Research Institute, Temple, TX, 3/30/06.
15. "Net1 and cancer – it's all about who you know". UT Houston HSC Young Guns Seminar Series, 5/29/06.
16. "Net1 in cellular proliferation and cancer". University of Southern Alabama School of Medicine, Mobile, AL, 3/19/08.
17. "The nuclear RhoA exchange factor Net1 buddies up with the scaffolding protein Dlg1 to evade the proteasome". UT-HSC/MD Anderson Cardiology Research Seminar, 10/2/08.
18. "Regulation of the RhoA activating protein Net1 in breast cancer". University of Texas at El Paso, Department of Biological Sciences, 10/30/09.

19. "Regulation of cancer cell motility and mitosis by the RhoGEF Net1". University of Texas Health Science Center at Houston, Department of Integrative Biology and Pharmacology, 10/31/11.
20. "Rho GTPase regulation of breast tumorigenesis and metastasis". University of Texas Health Science Center at Houston, Department of Integrative Biology and Pharmacology, 3/14/16.
21. "Rho GTPases in breast tumorigenesis and metastasis". University of Texas MD Anderson Cancer Center, Department of Genetics, 4/13/16.
22. "Introduction to Cancer". University of Texas School of Public Health, CPRIT Innovations Summer Research Program, 8/5/16.
23. "Rho GTPases in breast tumorigenesis and metastasis". University of Colorado Anschutz Medical Campus, Department of Pharmacology, 10/12/16.
24. "The RhoA subfamily GEF Net1 is required for mammary gland tumorigenesis and metastasis". FASEB Summer Research Conference on Regulation and Function of Small GTPases, 6/12/17.
25. "Introduction to Cancer". University of Texas School of Public Health, CPRIT Innovations Summer Research Program, 6/28/17.
26. "Rho GTPases in breast tumorigenesis and metastasis", Baylor College of Medicine Breast Disease Research Group, 11/1/17.
27. "Regulatory mechanisms controlling the subcellular localization and activity of the RhoA GEF Net1 in breast cancer", ASBMB, 4/22/18.
28. "Rho GTPases in breast tumorigenesis and metastasis", Pediatrics Research Center, McGovern Medical School, 9/21/18.
29. "Rho GTPase signaling in breast tumorigenesis and metastasis", Department of Pharmacology and Toxicology, Medical College of Wisconsin, 4/25/19.
30. "Introduction to Cancer". University of Texas School of Public Health, CPRIT Innovations Summer Research Program, 7/19/19.