

CURRICULUM VITAE

Gail Abendroth Bishop, Ph.D.

I.. Educational and Professional HistoryA. Institutions attended.

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
1977	B.A, (Biology)	St. Olaf College
1979	M.S. (Oncology)	University of Wisconsin, Madison
1983	Ph.D. (Cellular and Molecular Biology)	University of Michigan, Ann Arbor

<u>Year</u>	<u>Position</u>	<u>Institution</u>
1983-86	Postdoctoral Fellow	The University of North Carolina, Chapel Hill (with Dr. Geoffrey Haughton)
1986-88	Postdoctoral Fellow	The University of North Carolina, Chapel Hill (with Dr. Jeffrey Frelinger)

B. Academic Appointments

<u>Year</u>	<u>Position</u>	<u>Institution</u>
4/88-6/89	Research Assistant Professor	The University of North Carolina, Chapel Hill
7/89-6/94	Assistant Professor	Department of Microbiology, The University of Iowa College of Medicine
4/90-present	Research Health Science Specialist	Iowa City VAMC
10/90-6/94	Assistant Professor, Division of Rheumatology	Department of Internal Medicine, The University of Iowa College of Medicine
7/94-7/98	Associate Professor	Dept. of Microbiology, The University of Iowa College of Medicine
7/94-7/98	Associate Professor, Division of Rheumatology	Dept. of Internal Medicine, The University of Iowa College of Medicine
7/98-	Professor	Depts. of Microbiology & Internal Medicine, University of Iowa College of Medicine
1/90-present	Faculty, MSTP Program	The University of Iowa
1/93-present	Faculty, Interdisciplinary Graduate Program in Cellular & Molecular Biology	The University of Iowa
1/93-present	Faculty, Interdisciplinary Graduate Program in Immunology	The University of Iowa
5/98-7/13	Director, Interdisciplinary Graduate Program in Immunology	The University of Iowa
3/99-2004	Director, Cellular Activation Group	The University of Iowa Cancer Center

2/04-16	Co-Director, Cancer Immunology & Immunotherapy Group	Holden Comprehensive Cancer Center, The University of Iowa
2/04-present	Associate Director for Basic Science Research	Holden Comprehensive Cancer Center, The University of Iowa
5/12-present	Director, Center for Immunology & Immune-Based Diseases	Carver College of Medicine, The University of Iowa

C. Honors and Awards

<u>Year</u>	<u>Honor</u>
1973	Milwaukee Transport Company Scholarship Award
1973	Milwaukee Jaycees Scholarship Award
1975-76	Winter Research Laboratory Undergraduate Fellowship
1978-79	NIH Predoctoral Trainee, University of Wisconsin
1979-82	NIH Predoctoral Trainee, The University of Michigan
1982-83	Horace H. Rackham Predoctoral Fellowship, The University of Michigan
1983-84	Lineberger Cancer Research Center Postdoctoral Fellowship, The University of North Carolina at Chapel Hill
1984-86	Damon Runyon-Walter Winchel Cancer Fund Postdoctoral Fellowship
1987-90	National Arthritis Foundation Investigator Award
1994-97	Carver Foundation Fellowship, The University of Iowa
1997	Leadership Award, Autumn Immunology Conference
2001	College of Medicine Distinguished Professor of Microbiology
2003	Donald D. Dorfman Research Award for best cancer-related scientific paper (Holden Cancer Center)
2003	Graduate College Outstanding Mentor Award
2004	Holden Chair in Cancer Biology
2006	Invited speaker, U. of Iowa Graduate College Commencement
2007	Carver Research Program of Excellence Award
2009	Iowa Technology Association "Iowa Women of Innovation" award for Academic Innovation and Leadership
2014	U. of Oklahoma College of Medicine Juneann Murphy Women in Science Distinguished Lectureship
2015	Society for Leukocyte Biology Bonazinga Award for Excellence in Research
2015	University of Iowa Regent's Award for Faculty Excellence
2015	UIRF Inventor Award
2016	Donald D. Dorfman Research Award for best cancer-related scientific paper (Holden Cancer Center)

II. Teaching

A. Teaching Assignments:

<u>Year</u>	<u>Course Title</u>	<u>(% for which responsible)</u>
1989-90	61:207 Adv. Topics in Immunology (10 students/1st semester)	25
1990-91	61:157 General Microbiology (73 students/1st semester)	20

1990-91	61:261 Research Microbiology (2 students/1st semester)	100
1990-91	99:142 Cell Biology (20 students/ 2nd semester)	10
1990-91	61:261 Research Microbiology (1 student/2nd semester)	100
1990-91	61:161 Problems in Microbiology (1 student/2nd semester)	100
1991-92	61:261 Research Microbiology (2 students/summer)	100
1991-92	61:157 General Microbiology (87 students/1st semester)	20
1991-92	61:171 Honors Microbiology (1 student/1st semester)	100
1991-92	61:172 Honors Microbiology (1 student/2nd semester)	100
1991-92	61:173 Advanced Immunology (12 students/2nd semester)	40
1991-92	61:161 Problems in Microbiology (1 student/2nd semester)	100
1992-93	61:157 General Microbiology (85 students/1st semester)	20
1992-93	61:261 Research Microbiology (2 students/1st semester)	100
1992-93	61:261 Research Microbiology (2 students/2nd semester)	100
1992-93	61:161 Problems in Microbiology (1 student/2nd semester)	100
1993-94	61:261 Research Microbiology (3 students/summer)	100
1993-94	61:157 General Microbiology (110 students/1st semester)	20
1993-94	61:261 Research Microbiology (3 students/1st and 2nd semester)	100
1993-94	61:161 Problems in Microbiology (1 student/1st and 2nd semester)	100
1993-94	142:305 Research Molecular Biology (1 student/ 2nd semester)	100
1993-94	148:231 Research Immunology (1 student/2nd semester)	100
1993-94	61:173 Advanced Immunology (11 students/2nd semester)	40
1994-95	61:161 Problems in Microbiology (1 student. Summer term)	100
1994-95	148:201 Immunology I (25 students/1st semester)	22
1994-95	61:261 Research Microbiology (3 students/1st and 2nd semesters)	100
1994-95	148:231 Research Immunology (2 students/ 1st semester)	100
1994-95	61:172 Honors Microbiology (2 students/1st and 2nd semesters)	100
1995-96	Immunology Case Report Discussions for MS1 students (wrote one of the 6 reports)	14 students, 6 hours

1996-97	61:207 Advanced Topics in Immunology 11 students/1 st semester	40
1996-97	61:201 Immunology I 20 students/1 st semester	20
1996-97	Immunology Case Report Discussions for MS1 students (wrote one of the 6 reports)	17 students, 6 hours
1996-97	61:161 Problems in Microbiology 1 student, 2 nd semester	100
1997-98	61:201 Immunology I 20 students/1 st semester	33
1997-98	61:172 Honors Research Microbiology 1 student/2 nd semester	100
1997-98	Immunology Case Report Discussions for MS1 students (wrote one of the 6 reports)	16 students, 6 hrs.
1998-99	61:201 Immunology I 23 students/1 st semester	50
1998-99	Immunology Case Report Discussions for MS1 students (wrote one of the 6 reports)	14 students, 6 hrs.
1999-2000	61:161 Problems in Microbiology 1 student, entire academic year	100
1999-2000	61:201 Immunology I 20 students/1 st semester	50
1999-2000	Immunology Case Report Discussions for MS1 students (wrote one of the 6 reports)	12 students, 6 hrs.
2000-2001	61:201 Immunology I 25 students/1 st semester	50
2000-2001	Immunology Case Report Discussions for MS1 students	10 students, 6 hours
2001-2002	61:201 Immunology I 15 students/1 st semester	50
2001-2002	Molecular Biology Student Seminar 14 students/2 nd semester	50
2002-2003	61:201 Immunology I 16 students/1 st semester	50
2002-2003	Molecular Biology Student Seminar 15 students/1 st semester	one session
2002-2003	61:172 Honors Research Microbiology 2 students/Entire year	100
2002-2003	Immunology Case Report Discussions for MS1 students	12 students, 6 hours
2002-2003	61:201 Graduate Immunology I 23 students/1 st semester	60
2003-2004	Immunology Case Report Discussions for MS1 students	12 students, 6 hrs.
2003-2004	61:202 Graduate Immunology II 15 students/Spring semester	20
2004-2005	61:201 Graduate Immunology I 17 students/1 st semester	60
2004-2005	156:201 Principles of Cellular & Molecular Biology, Discussion Group 6 students, 1 st semester	4 hrs.
2004-2005	Immunology Case Report discussions for MS1 Immunology 10 students, 2 nd semester	6 hrs.

2005-2006	61:201 Graduate Immunology I 20 students/1 st semester	70
2005-2006	Immunology Case Report discussions for MS1 Immunology (10 students)	6 hrs.
2006-2007	61:201 Graduate Immunology I 20 students/1 st semester	65
2007-2008	61:201/148:201 Graduate Immunology I 15 students/1 st semester	65
2008-2009	Immunology Case Report discussions for MS1 Immunology 12 students, 2 nd semester	2 hrs.
2008-2009	61:201/148:201 Graduate Immunology I 15 students/1 st semester	65
2008-2009	71:250 Advanced Problems in Pharmacology 10 students/2 nd semester	20
2009-2010	61:201/148:201 Graduate Immunology I 13 students/2 nd semester	65
2010-2011	61:201/148:201 Graduate Immunology I 15 students/2 nd semester	65
2012	61:201/148:201 Graduate Immunology 10 students	65
2013	61:201/148:201 Graduate Immunology 14 students/Spring semester	65
2013	148:248 Writing a Scientific Proposal 8 students/Fall semester	100
2014	61:201/148:201 Graduate Immunology 9 students/Spring semester	65
2014	148:248 Writing a Scientific Proposal 8 students/Fall semester	100
2015	61:201/148:201 Graduate Immunology 10 students/Spring semester	100
2015	Medicine and Society Small Group 7 students/Spring semester	50
2015	148:248 Writing a Scientific Proposal 8 students/Fall semester	100
2016	IMMU:6201 Graduate Immunology 8 students/Spring semester	65
2016	IMMU:6241 Writing a Scientific Proposal 8 students/Fall semester	100
2017	IMMU:6201 Graduate Immunology 8 students/Spring semester	65
2017	IMMU:6241 Writing a Scientific Proposal 8 students/Fall semester	100
2018	IMMU:6201 Graduate Immunology 16 students/Spring Semester	65
2018	IMMU:6241 Writing a Scientific Proposal 8 students/Fall semester	100

B. Students supervised

1. Students directed by Dr. Bishop for individual research projects:

Heeyun Kim - Microbiology Graduate Student, 2nd Semester, 1989-90.
Jeffrey Hwang - SSTP student, Summer 1990.
Jonathan Harton - Microbiology Graduate Student, Sept. 1990-April 1995 (rec'd
(Ph.D.) Supervised as a postdoctoral fellow, April 1995-July 1996.
Steven Louie - Microbiology Graduate Student, Sept. 1990-July 1994 (rec'd M.S.).
Julie Meye - Microbiology Undergraduate, 1st Semester, 1991.
Deeann Horton - Microbiology Undergraduate Student, 2nd Semester, 1990-91.
Aarthi Shenoy - Microbiology Undergraduate Student: Summer, 1991-Summer 1993
(continuous); as Medical Student, Summer 1994
Amy Van Hagen - Microbiology Undergraduate Student. Winter 1993-Spring 1994.
Rashmi Ukhade - Microbiology Graduate Student. Summer 1993 - Winter 1993.
Dan Harms - Microbiology Graduate Student. Fall 1993-Fall 1995 (rec'd M.S.).
Kyle Huff - Microbiology Undergraduate Student. Fall 1993-Spring 1994.
Julie Olson - Microbiology Graduate Student. Fall 1993.
Loren Erickson - Immunology Program Graduate Student. Fall 1993-Spring 1994
Kim Richardson - Molecular Biology Program Graduate Student. Winter-Spring
1994
David Dao - Microbiology Undergraduate Student. Summer 1994-Spring 1995.
Joanna Figge - Microbiology Undergraduate Student. Fall 1994-Spring 1995.
Kazuko Takahashi - Immunology Program Graduate Student. Fall 1994.
Mekhine Baccam - Microbiology Graduate Student. Fall 1994 - Fall 2001.
Lichao Zhou - Immunology Program Graduate Student. Winter 1995-Spring 1995.
Bruce Hostager - Postdoctoral fellow - Feb. 1995-July 2002.
Susan Haney - Medical Student. Summer 1995.
Monica Embers - Hughes Undergraduate Program. Summer 1995.
Yina Hsing - Immunology Program Graduate Student. Fall 1995 - Fall 1999.
Ian Catlett - Microbiology Graduate Student. Fall 1995 - 2000.
David Kolwyck - Microbiology Graduate Student. Winter-Spring 1996.
Karl Swanson - Molecular Biology Graduate Program. Winter-Spring 1996.
Jennifer Villasenor - Microbiology Summer Undergraduate Program, 1996.
Lisa Busch - Molecular Biology Program Graduate Student - Fall 1996 and March
1997-2001.
Yiyun Li - Immunology Program Graduate Student. Nov. 1996-March 1997.
Jason Downing - Microbiology Summer Undergraduate Program, 1997
Alison Wisse - Microbiology Undergraduate Student. Fall 1997-Spring 1998.
Sangita Jaluakar - Postdoctoral fellow - Oct. 1997-June 2000
Tracy Jo Pasioka - Microbiology Graduate Student. Spring 1998.
Joshua Field - M1 Summer Research Project, June-August, 1998
Jennifer Louten - Microbiology Summer Undergraduate Program, 1998
Kevin Brown - Immunology Program Graduate Student. Summer 1998-2001
Brandon Porter - MSTP student - Summer 1999.
Gail Mayfield - Microbiology Graduate Student - Summer 1999.
Joy Crowther - Immunology Program Graduate Student - Summer 1999
Julie Negri - Molecular Biology Program Graduate Student - Early Fall 1999
Sokol Haxhinasto - Immunology Program Graduate Student - Late Fall 1999-July
2003
Timothy Doyle - Microbiology Graduate Student - Late Fall 1999-Spring 2000
Debbie Duster - Microbiology Undergraduate Student - 1999-2000
Russell Edelheit - Microbiology Undergraduate Student - 2000-2001
Christopher Bucach - M1 Summer Research Project, June-August, 2000; June-
August, 2001
Ping Xie - Postdoctoral fellow - July 2000 - 2005
So-youn Woo - Postdoctoral fellow - Sept. 2000 - Sept. 2002
Ajai Dandekar - MSTP student - Fall 2000

Xiyou Zhou - Biosciences Graduate Student - Fall 2000
 Rebecca Benson - MSTP student - Fall 2001-June 2006 (rec'd Ph.D.)
 Carissa Moore - Immunology Program Graduate Student - Fall 2000-July 2006
 (rec'd Ph.D.)
 Andy Chung - Molecular Biology Graduate Student - Fall 2001
 Jacob Simmons – Microbiology Undergraduate Student – Fall 2001-May 2003
 Tara Hermann - Immunology Program Graduate student – Fall-Winter 2001
 Robin Lehmann – M1 Summer Research Project, June-August, 2002
 Carissa Thomas – Hughes Summer Undergraduate, June-August, 2002
 Hana Itani – Molecular Biology Program Graduate Student – Fall 2002
 Aaron Kithcart – Microbiology Undergraduate Student – Fall 2002-2003
 Colleen Cowan – Biosciences Graduate Student – Fall-Winter 2002-3
 Christine Hsiao - Molecular Biology Program Graduate Student – Fall-Winter 2002-3
 Melissa Munroe – Postdoctoral fellow – July 2003-2010
 Anna Peters MSTP student Summer rotation 2003; joined lab for Ph.D. in Fall
 2005-2009.
 Julia Meade Undergraduate research student (Wellsley College research program),
 summer 2003
 Kyeorda Kemp- Undergraduate research student (Dept. of Microbiology summer
 research program), summer 2003
 Matthew Olson – Microbiology Graduate student – Fall 2003
 Brenda Boll – Biosciences Graduate student – Fall 2003
 Komal Shah – Microbiology Undergraduate research student Fall 2003-Spring 2005.
 Noah Butler – Immunology Program Graduate Student – Winter 2003-04
 Zachary Kraus – Immunology Program Graduate Student – Winter 2004 –Spring
 2009
 Anthony Vanden Bush – Postdoctoral fellow – Jan 2004-present
 Riad Rahhal – Postdoctoral fellow – July 2004-December 2006
 Jennifer Schmidt – Biosciences Graduate student – Fall 2004
 Jennifer Sowa - Biosciences Graduate student – Winter 2005
 Emily Isaak – MSTP student Summer rotation 2005
 Paige Wicinski – Dept. of Microbiology undergraduate summer research program,
 Summer 2005
 Nhat-Long Pham - MSTP student Summer rotation 2005
 Ping Lu - Immunology Program Graduate Student – Fall 2005
 Ross Fulton - Microbiology Graduate student – Fall 2005
 Jessica Tanner - Immunology Program Graduate Student – Winter 2005-06
 Joanne Hildebrand – Postdoctoral fellow. Jan. 2006-present
 Jayakumar Poovassery – Postdoctoral fellow. Feb. 2006-present
 Ruben Medina - Dept. of Microbiology undergraduate summer research program,
 Summer 2006
 John Graham - Immunology Program Graduate Student – Summer 2006-present
 Martina Maric – Microbiology Graduate student – Winter 2006/07
 Ahmad Halawi – Internal Medicine Resident – Winter 2007. Joined lab for research
 portion of combined Heme-Onc/Allergy & Immunology fellowship, 2008-2010
 Kelly Arcipowski – Molecular & Cellular Biology Graduate Student – Summer 2007-
 2012
 Kerton Victory – Biosciences Program Graduate Student – Fall 2007
 Lindsey Brown – Immunology Program Graduate Student – Fall 2007
 Mayumi Fukada – Microbiology Graduate Student – Winter 2007-08
 Jennifer Claudio – McNair scholar – Summer 2008
 Daniel Fox – MSTP student – Summer 2008
 Claire Buchta – Biosciences student – Fall 2008
 Mark Schultz – Molecular & Cellular Biology student – Fall-Winter 2009-10

Jennifer Claudio – SROP student, Summer 2009
 Siva Kasinathan – IDGP Programs summer student, Summer 2009
 Dima Decker – Postdoctoral Fellow – Summer 2009-2012
 Catherine He - Immunology Program Graduate Student – Fall 2009
 Emily Hemann - Immunology Program Graduate Student – Fall/Winter 2009-2010
 Wai-Wai Lin – Biosciences student – Fall/Winter 2009-2010
 Kayla Weiss - Immunology Program Graduate Student – Winter/Spring 2010
 Stephanie Segura – IBA Program Undergraduate – Winter/Spring 2010-Fall 2011
 Zuoan Yi – Postdoctoral fellow – June 2010-present
 Evelena Ontiveros – Postdoctoral fellow – August 2010-2012
 Bao Vu – Microbiology Graduate Student – Fall 2010
 Ernest Chivera - Molecular & Cellular Biology Graduate Student – Fall 2010
 William Krangel – Biosciences Graduate Student – Fall/Winter 2010-11
 Farrah Steinke – Immunology Graduate Student - Fall/Winter 2010-11
 Jeffrey Recchia-Rife - Molecular & Cellular Biology Graduate Student –
 Winter/Spring 2011
 Aldo Vacaflores – Immunology Graduate Student – Fall 2011
 Breanna Scorza – Immunology Graduate Student – Winter 2011/2012
 Brett Gross – Immunology Graduate Student – Summer 2012
 Robert Le Beau – Microbiology undergraduate – Summer 2012
 Allison Songstad - Molecular & Cellular Biology Graduate Student – Fall 2012
 Farah Itani - Immunology Graduate Student – Fall 2012
 Alicia Wallis - Biosciences Graduate Student – Fall/Winter 2012-2013-2017
 Nurbek Mambetsariev – MSTP student - Fall/Winter 2012-2013-2016
 Emma Hornick – Immunology Graduate Student – Winter/Spring 2015
 Theresa White – REU Minority Student Program – Summer 2015
 Isaac Jensen – Immunology Graduate Student – Fall 2015
 Sharon Idiga - Molecular & Cellular Biology Graduate Student – Winter 2016
 Amy Whillock – MSTP student – Summer 2016-present
 Tina Arkee – MSTP student – Summer 2016 – present
 Ashley Zani - REU Minority Student Program – Summer 2016
 Robert Hwang – SSTP summer student Program – Summer 2016
 Michael Pisano – Immunology Graduate Student – Fall 2016
 Laura Mallinger – Microbiology undergraduate – Fall 2016-present
 Thomas Locke – Medical Student – Summer 2017
 Shakoora Sabree – MSTP student – Summer 2017
 Vishal Perera – Microbiology undergraduate – Fall 2017-present
 Sofiya Pisarenka – Molecular Medicine Graduate Student – Winter 2018
 Hanzeng Li – Postdoctoral Fellow – Winter 2018 –present
 Emma Hornick – Postdoctoral Fellow – Spring 2018-present
 Morgan Streyle – IDGP summer program – Summer 2018
 Shea Morris – Microbiology Graduate Student – Fall 2018

2. Thesis Committees served on by Dr. Bishop (* denotes Dr. Bishop's own students)

Debra Martin (Biochemistry), Ph.D., December, 1990
 Karen Snapp (Microbiology), Ph.D., August, 1991
 James Mobley (Microbiology), Ph.D., December, 1991
 Teresa Foy (Microbiology), Ph.D., August, 1992
 *Steven Louie (Microbiology), M.S., June 1994
 James Greer (Microbiology), Ph.D., July 1994
 *Jonathan Harton (Microbiology), Ph.D., April 1995
 Dana Mordue (Microbiology), Ph.D., April 1995

*Dan Harms (Microbiology), M.S., Aug. 1995
 Kelly Smith (Microbiology), Ph.D., Sept. 1995
 Naixi Chen (Microbiology), Ph.D., December, 1995
 David Motto (Physiology), Ph.D., December, 1995
 Karen Duus (Microbiology), Ph.D., May, 1996
 Janet Vigna (Microbiology), Ph.D., July, 1996
 Michael Musci (Immunology Graduate Program), Ph.D., June, 1997
 Kevin Latinis (Immunology Graduate Program), Ph.D., Oct., 1997
 Loren Erickson (Immunology Graduate Program), Ph.D., Nov., 1997
 *Yina Hsing (Immunology Graduate Program), Ph.D., Oct., 1999
 Shawn Rigby (Microbiology), Ph.D., Nov. 1999
 Yiyun Li (Immunology Graduate Program), M.S., April 2000
 Kazuko Takahashi (Immunology Graduate Program), Ph.D., August 2000
 *Ian Catlett (Microbiology), Ph.D., September, 2000
 *Kevin Brown (Immunology Graduate Program, MSTP Program), Ph.D., May 2001
 *Lisa Busch (Molecular Biology Graduate Program), Ph.D., July 2001
 *Mekhine Baccam (Microbiology), Ph.D., September 2001
 Kira Gantt (Immunology Graduate Program; served as Mentor of Record), Ph.D.,
 January 2002
 Demetrius Gravis (Immunology Graduate Program), Ph.D., June 2002
 Chenguang Fan (Molecular Biology Graduate Program), Ph.D., August 2002
 *Sokol Haxhinasto (Immunology Graduate Program), Ph.D., July 2003
 Ajai Dandekar (Immunology Graduate Program, MSTP Program), Ph.D. April 2004
 Janet Hume (Microbiology, MSTP Program), Ph.D. June 2004
 Nilda Rodriguez (Microbiology), Ph.D. November 2004
 Cassy Cozine (Immunology Graduate Program), Ph.D. January 2006
 *Rebecca Benson (Immunology Graduate Program, MSTP Program), Ph.D., June
 2006
 *Carissa Moore (Immunology Graduate Program), Ph.D., July 2006
 Rebecca Van Oosten (Immunology Graduate Program, served as Mentor of Record),
 Ph.D., March 2007
 Noah Butler (Immunology Graduate Program), Ph.D., August 2007
 Daniel Sprague (Microbiology, MSTP Program), Ph.D., April 2008
 Eric Ring (Bassoon Performance), DMA, April 2008
 Sean Connelly (Immunology Graduate Program, Mentor of Record) *deceased,
 12/2008
 Siao-Yi Wang, (Immunology Graduate Program, served as Mentor of Record),
 Ph.D., January 2009
 *Zachary Kraus (Immunology Graduate Program), Ph.D., April 2009
 Nikaela Yarbrough (Microbiology), M.S. April 2009
 *Anna Peters (Immunology Graduate Program, MSTP Program), Ph.D., December
 2009
 Kathryn Trandem (Immunology Graduate Program, MSTP), Ph.D., October 2010
 *John Graham (Immunology Graduate Program), Ph.D. October 2010
 Sarah Ingersoll (Immunology Graduate Program, Mentor of Record), Ph.D.,
 November 2010
 Carla-Maria Alexander (Immunology Graduate Program), Ph.D., May 2011
 Gregory Esparza (Immunology Graduate Program), Ph.D., January 2012
 Rebekah Bartelt (Microbiology), Ph.D. July 2012
 *Kelly Arcipowski (Molecular & Cellular Biology Graduate Program), Ph.D.,
 November 2012
 Nicole Chapman (Immunology Graduate Program, served as Mentor of Record),
 Ph.D., February 2014
 *Claire Buchta (Immunology Graduate Program), Ph.D., March 2014

Lauren Workman (Molecular & Cellular Biology Graduate Program), Ph.D.,
November 2014
Timothy Rosean (Immunology Graduate Program), Ph.D., November 2014
Farrah Steinke (Immunology Graduate Program, serving as Mentor of Record), PhD,
February 2015
Jennifer Barr (Anatomy & Cell Biology), Ph.D., March 2015
*Wai Lin (Immunology Graduate Program), Ph.D., April 2015
Mahmood Bilal (Immunology Graduate Program), Ph.D., April 2015
Aldo Vacaflores (Immunology Graduate Program), PhD, July 2016
*Nurbek Mambetsariev (MSTP & Immunology Graduate Program), PhD, December
2016
Michael Zhang (MSTP and Microbiology), PhD, January 2017
*Alicia Wallis (Immunology Graduate Program), PhD, July 2017
Emma Hornick (Immunology Graduate Program), PhD, January 2018
Brett Gross (Immunology Graduate Program, serving as Mentor of Record), PhD,
April 2018
Zeb Zacharias (Immunology Graduate Program)
*Tina Arkee (MSTP & Immunology Graduate Program)
* Amy Whillock (MSTP & Immunology Graduate Program)
Jessica Gregson (Microbiology)
Daniel Michaud (Cell & Molecular Physiology, U. of North Carolina, Chapel Hill)
Aline Sandouk (MSTP & Immunology Graduate Program)
Micaela Fosdick (Molecular Medicine Graduate Program)
Shakoora Sabree (MSTP & Immunology Graduate Program)

III. Scholarship

A. Publications

1. Peer-reviewed primary papers.

1. Bishop, G.A., and Dove, W.F.: Semisynthetic hybrid resistance to murine teratocarcinoma cells. *Immunogenetics*, 10:383-393, 1980.
2. Bishop, G.A., and Schwartz, S.A.: Enhancement of human natural cytotoxicity by interferon requires RNA and protein synthesis. *Clin. Immunol. Immunopathol.*, 25:374-385, 1982.
3. Bishop, G.A., Glorioso, J.C., and Schwartz, S.A.: Relationship between expression of herpes simplex virus glycoproteins and susceptibility of target cells to human natural killer activity. *J. Exp. Med.*, 157:1544-1561, 1983.
4. Bishop, G.A., Glorioso, J.C., and Schwartz, S.A.: Role of interferon in human natural killer activity against target cells infected with HSV-1. *J. Immunol.*, 131:1849-1853, 1983.
5. Bishop, G.A., Marlin, S.D., Schwartz, S.A., and Glorioso, J.C.: Human natural killer cell recognition of HSV-1 glycoproteins: specificity analysis using monoclonal antibodies and monoclonal antibody selected virus antigenic variants. *J. Immunol.*, 133:2206-2214, 1984.

6. Bishop, G.A., and Haughton, G.: H-2 control of expression of an idiotype shared by normal B cells and a B cell lymphoma. *Immunogenetics*, 21:355-366, 1985.
7. Bishop, G.A., Kumel, G., Schwartz, S.A., and Glorioso, J.C.: Specificity of human natural killer cells in limiting dilution culture of determinants of HSV-1 glycoproteins. *J. Virol.*, 57:294-304, 1986.
8. Bishop, G.A., Arnold, L.W., and Haughton, G.: Antigen-specific B cell lymphomas in mice. *CRC Critical Reviews in Immunology*, 6:109-134, 1986 (*this is a unique set of reviews; each actually must be approved by two peer reviewers before acceptance*).
9. Bishop, G.A. and Haughton, G.: Induced differentiation of a transformed clone of Ly-1+ B cells by clonal T cells and antigen. *Proc. Natl. Acad. Sci. USA*, 83:7410-7414, 1986.
10. Bishop, G.A., and Haughton, G.: Role of LFA-1 in B cell differentiation. *Curr. Topics in Microbiol. Immunol.*, 132:142-147, 1986.
11. Bishop, G.A., and Haughton, G.: Role of the IL-2 receptor in differentiation of a clone of Ly-1+ B lymphocytes. *J. Immunol.*, 138:3308-3313, 1987.
12. Gorelick, M.H., Bishop, G.A., Haughton, G., and Pisetsky, D.S.: Cyclosporine inhibition of the CH series of murine B cell lymphomas. *Cell. Immunol.*, 107:219-225, 1987.
13. Bishop, G.A., McCurry, L., Schwartz, S.A., and Glorioso, J.C.: Activation of human natural killer cells by Herpes simplex virus type 1 infected cells. *Intervirology*, 28:78-88, 1987.
14. Badley, J.E., Bishop, G.A., St. John, T., and Frelinger, J.A.: A simple rapid method for the purification of poly (A)+ RNA. *Biotechniques*, 6:114-116, 1988.
15. Bishop, G.A., McMillan, M.S., Haughton, G., and Frelinger, J.A.: Signalling to a B cell clone by E^k, but not A^k does not reflect alteration of the A^k genes. *Immunogenetics*, 28:184-192, 1988.
16. Jambou, R.C., Snouwaert, J.N., Bishop, G.A., Stebbins, J.R., Frelinger, J.A., and Fowlkes, D.M.: High level expression of a bioengineered, cysteine-free hepatocyte stimulating factor (IL-6)-like protein. *Proc. Natl. Acad. Sci. USA*, 85:9426-9430, 1988.
17. Bishop, G.A., and Frelinger, J.A.: Haplotype-specific differences in signaling by transfected class II molecules to an Ly-1+ B cell clone. *Proc. Natl. Acad. Sci. USA*, 86:5933-5937, 1989.
18. Bishop, G.A., Pennell, C.A., Travis, W., Haughton, G., and Frelinger, J.A.: Antibodies specific for Ig idiotype, but not isotype, can substitute for antigen to induce IgM secretion by a B cell clone. *International Immunol.*, 2:285-290, 1990.

19. Bishop, G.A.: Requirements of class II-mediated B cell differentiation for class II crosslinking and cAMP. *J. Immunol.*, 147:1107-1114, 1991.
20. Harton, J.A., Litaker, R.W., Frelinger, J.A., and Bishop, G.A.: Structure-function analysis of the H-2 *AP* gene. *Immunogenetics*, 34:358-365, 1991.
21. Bishop, G.A.: Signaling to a CD5⁺ B cell clone via surface Ig and MHC class II molecules. *Ann. N.Y. Acad. Sci.*, 651:228-240, 1992.
22. Bishop, G.A., and Hwang, J.: Use of a cellular ELISA for the detection of cell surface antigens. *Biotechniques*, 12:326-330, 1992.
23. Parikh, V.S., Bishop, G.A., Liu, K.J., Do, B.T., Gosh, M.R., Kim, B.S., and Tucker, P.W.: Differential structure-function requirements of the transmembranal domain of the B cell antigen receptor. *J. Exp. Med.*, 176:1025-1031, 1992.
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13. Bishop, G.A. Target Assessment for TRAF2. Targeted Proteins Data Base 2008.
14. Xie, P. and Bishop, G.A. Target Assessment for TRAF3. Targeted Proteins Data Base 2008.
15. Kraus, Z.J. and Bishop, G.A. Target Assessment for TRAF5. Targeted Proteins Data Base 2008.
16. Bishop, G.A. and Xie, P. Multiple Roles for TRAF3 in Lymphocyte Activation, *Immunologic Research* 39:22-32, 2007.
17. Bishop, G.A. Immunology at The University of Iowa, *Immunologic Research* 39:1-5, 2007.
18. Xie, P., Kraus, Z.J., Stunz, L.L. and Bishop, G.A. Roles played by TRAF molecules in B lymphocyte function. Invited review for *Cytokine and Growth Factor Reviews* 19: 199-207, 2008.
19. Peters, A.L., Stunz, L.L. and Bishop, G.A. CD40 and autoimmunity: The dark side of a great activator. Invited review for *Seminars in Immunology*, 21:293-300, 2009.
20. Graham, J.P., Arcipowski, K.M. and Bishop, G.A. Differential B lymphocyte regulation by CD40 and its viral mimic, LMP1. Invited review for *Immunological Reviews* 237:226-248, 2010.
21. Hildebrand, J.M., Yi, Z., Buchta, C.M., Poovassery, J., Stunz, L.L. and Bishop, G.A. TRAF3 and TRAF5 in immune regulation. Invited review for *Immunological Reviews*, 244:55-74, 2011.
22. Bishop, G.A. The power of mAbs as agents of discovery: CD40 revealed as a B lymphocyte costimulator. Invited "Pillars of Immunology" article for *The Journal of Immunology* 188:4127-4129, 2012.
23. Arcipowski, K.M. and Bishop, G.A. TRAF6 as a critical regulator of B lymphocyte functions. Invited review for *Current Topics in Immunology*, 14:45-52, 2013.
24. Bishop, G.A. The many faces of TRAF molecules in immune regulation. *J. Immunol.* 191:3483-3485, 2013 (Presidential Address).
25. Hostager, B.S. and Bishop, G.A. CD40-mediated activation of the NF-kB2 pathway. *Front. Immunol.* 4:376 (online), 2013. PMC3828524

26. Stunz, L.L. and Bishop, G.A. LMP1 and the B lymphocyte – a complex relationship. *CRC Crit. Rev. Immunol.* 34:177-198, 2014.
27. Yi, Z., Lin, W.W., Stunz, L.L. and Bishop, G.A. Roles for TRAF3 in lymphocyte functions. *Cytokine & Growth Factor Reviews* 25:146-156, 2014. PMC3999169
28. Buchta, C.M. and Bishop, G.A. TLR signaling to B lymphocytes: Functions and mechanisms. *Immunol. Res.* 59: 12-22, 2014.
29. Bishop, G.A. Introduction to immunology at The University of Iowa. *Immunol. Res.* 59: 1-2, 2014.
30. Yi, Z. and Bishop, G.A. Regulatory role of CD40 in obesity-induced insulin resistance. *Adipocyte* 4:65-69, 2015.
31. Lin, W. W., Hostager, B.S. and Bishop, G.A. TRAF3, ubiquitination and B lymphocyte regulation. *Immunol. Res.* 266:46-55, 2015.
32. Bishop, G.A. Yes, we need PhD immunologists. Invited commentary for *Trends Immunol.* 36: 280-282, 2015.
33. Yi, Z., Wallis, A.M. and Bishop, G.A. Roles of TRAF3 in T cells: Many surprises. *Cell Cycle* 14:1156-1163, 2015.
34. Bishop, G.A. TRAF3 as a powerful and multi-talented regulator of leukocyte functions. *J. Leuk. Biol.* 100:919-926, 2016.
35. Bishop, G.A. T cell-B cell interaction: antigen bridge or antigen presentation? “Journal Club” article for *Nature Reviews in Immunology* 16: 467, 2016.
36. Wallis, A.M. and Bishop, G.A. TRAF3 regulation of inhibitory signaling pathways in B and T lymphocytes by kinase and phosphatase localization. *J. Leuk. Biol* 103:1089-1098, 2018.
37. Bishop, G.A., Hostager, B.S. and Stunz, L.L. TRAF3 as a multifaceted regulator of B lymphocyte survival and activation. *Front. Immunol.*, 9:2161, p.1-10, 2018.

IV. Service.

Membership in Professional Organizations (start year – present).

<u>Year</u>	<u>Organization</u>
2002	American Society for Biochemistry & Molecular Biology
2001	American Association for Cancer Research
1984	American Association of Immunologists
1986	American Society for Microbiology
1986	American Association for the Advancement of Science
2006	Society for Leukocyte Biology

Other Professional Activities (Boards, Editorships, Etc.)

<u>Year</u>	<u>Activity</u>
1989-present	Ad Hoc Reviewer for:

American Journal of Pathology
American J. of Physiology
Biotechniques
Cancer Research
Cellular Immunology
Clinical and Experimental Immunology
European Journal of Immunology
Immunology Letters
Immunity
International Immunology
Journal of Biological Chemistry
Journal of Experimental Medicine
Journal of Virology
Nature Immunology
PNAS
Transplantation
Virology

1994-1998	<u>Associate Editor</u> , <i>The Journal of Immunology</i>
1998-2002	<u>Section Editor</u> , <i>The Journal of Immunology</i>
2001-present	<u>Advisory Board</u> , <i>Signal Transduction - Receptors, Mediators and Genes</i>
2006-present	Editorial Board, <i>The Journal for Leukocyte Biology</i>
2009-present	Editorial Board, <i>Self/Non-self</i>

Collegiate, University, University Hospitals, and National Committees/Review Panels

<u>Year</u>	<u>Committee</u>
1990-present	Flow Cytometry Advisory Committee, College of Medicine
1990-1993	College of Medicine Research Committee
	Fall, 1990 Ad Hoc Reviewer
	Fall, 1991-1993 Regular Member
4/92-4/95	College of Medicine Executive Committee (Secretary, 1993-94; Vice-Chair, 1994-95)
1991-1993	Immunology Group Executive Committee
1992-98	Comprehensive Cancer Center Scientific Advisory Committee
1995	Planning Council, Iowa HHMI Research Program Grant
1996-98	Research Advisory Committee, Biological Sciences, Office of the VP for Research
1997	College of Medicine Self-Study Committee
1998	COM Research Retreat, Focus Committee on Faculty Grant Support
1999-present	Cancer Center Executive Committee
2004	VPR Search Committee
1999-2002	Director, Cellular Activation in Cancer Program, Holden Cancer Ctr.
2002-present	Co-Director, Program in Immunology & Immunotherapy of Cancer, Holden Cancer Ctr.
2004-present	Associate Director of Basic Science Research, Holden Cancer Center
2007-2009	Postdoctoral Fellow Advisory Committee (Graduate College)
2009-10	Graduate College Task Force on Graduate Education
2003-present	Iowa City VAMC IACUC
2015	Chair, Departmental Review Committee, Dept. of Physiology & Biophysics

External

Feb. 1992	Ad Hoc Reviewer, NIH Study Section on International and Cooperative Projects (ICP)
1989-present	Ad Hoc Reviewer for U.S. VA Research Grants
1993-present	Ad Hoc Reviewer, Research grants of the Swiss Medical Research Foundation
1993-1997	Member, Governing Board of Autumn Immunology Conference
1994	Workshop Coordinator, Autumn Immunology Conference
1995	Secretary, Autumn Immunology Conference
1996	Chair, Autumn Immunology Conference
1993	Ad Hoc Reviewer for National Science Foundation Grants, Cell Biology section.
1994-1997	Member, Immunology/Microbiology Study Section, American Heart Association
Feb. 1996	Ad Hoc Member, NIH Study Section on International and Cooperative Projects (ICP)
1996-1998	Member, Panel on Signal Transduction and Regulation (Cell Biology), NSF
Feb. 1997	Ad Hoc Member, NIH Experimental Immunology Study Section
Oct. 1997	Ad Hoc Member, NIH Experimental Immunology Study Section
1998-2002	Member, NIH Experimental Immunology Study Section
2001-present	Ad Hoc Reviewer, Research Grants, Israel Academy of Sciences & Humanities
1999-2002	Member, Finance Committee, American Assoc. of Immunologists
2002-2007	Member, Public Affairs Committee, American Assoc. of Immunologists
Feb 2003	Ad Hoc Member, NIAID Study Section on Pre-and Postdoctoral Training Grants in Immunology & Infectious Disease
June 2003	Ad Hoc Member, NIH ALY Study Section
October 2004	Special Emphasis Panel, NIH
January 2005	Special Emphasis Panel, NIH
2005-present	Chair, NIH U19 Review Panel, Oklahoma Medical Research Foundation
2005- 2008	AAI Representative, FASEB Science Policy Committee
2006-2009	Council Delegate (Medical Sciences), AAAS
October 2006	Member, Immunology Grant Review Panel (6-member international panel, US representative), Singapore Government
2006-2010	Member, External Research Advisory Committee, U. of South Dakota
2006-present	Chair, FASEB Ad Hoc Subcommittee on Peer Review
Feb. 2007	Chair, Special Emphasis Panel, NIH
2007-2010	Member, NIH Tolerance, Tumors, & Transplantation Study Section
2008-2010	Chair, NIH Tolerance, Tumors, & Transplantation Study Section
2007-2011	Member, Governing Council of the American Association of Immunologists
2009-2012	Member, NIH MRCE Steering Committee
2009-present	NIH U19 Review Panel, Oklahoma Medical Research Foundation
Dec. 2009	Ad hoc member, NIAID Board of Scientific Counselors
April 2010	Member, External Review Committee, Dept of Biology, St. Olaf College
Sept. 2010	Member, Special Emphasis Panel, NIH
2010-present	Member, Scientific Advisory Board, Blood Center of Wisconsin
Feb. 2011	Chair, Special Emphasis Panel, NIH
April 2011	Member, External Advisory Committee, U. of Michigan Life Sciences Institute
May 2011	Member, Special Emphasis Panel, NIH

2011-2012	Vice President, American Association of Immunologists
July 2011	Member, Special Emphasis Panel, NIH
Feb. 2012	Member, Special Emphasis Panel, NIH
June 2012	Member, Special Emphasis Panel, NIH
2012-2013	President, American Association of Immunologists
Jan 2013	Member, VA Review Panel for RCS Awards & Promotions
June 2013	Member, VA Review Panel for RCS Awards & Promotions
Jan 2014	Member, VA Review Panel for RCS Awards & Promotions
Feb 2014	Member, NIAID review panel for T32 grants
Feb 2014	Member, NCI panel to formulate “Provocative Questions” in cancer
June 2014	Member, VA Review Panel for RCS Awards & Promotions
Dec 2014	Member, VA Review Panel for ShEEP applications
2014-2018	Member, NCI-Frederick Advisory Committee
2013 - present	Member, VA Review Panel for Awards & Promotions
2015 – present	Member, External Advisory Committee, Center for Immunology, U. of Virginia
2015 – present	Member, Publications Committee, Society for Leukocyte Biology
2015 – present	Member, External Advisory Board, Yale Cancer Center
2015 – present	Member, External Advisory Committee, Immunology T32, U. of North Carolina
2015 – present	Member, IUIS Education Committee
2016 – present	IUIS Council (AAI representative)

D. Invited lectures (non-research).

"Structure and function of the MHC". Basic immunology CME course for the annual mtg. of the American Academy of Allergy, Asthma, and Immunology, San Diego, CA, March 2000.

“Paddling your own canoe – negotiating a rewarding path as an independent scientist”. Annual meeting of the American Association of Immunologists, Miami, FL, May 2007.

“Made for each other: T-B cell collaboration in the immune response.” Lecture for Introductory Immunology course of the American Association of Immunologists, Philadelphia, PA, June 2007.

“Helping your grant rise to the top of the study section”, Annual meeting of the AAI, Seattle, WA, May 2009.

“Making your voice heard on Capitol Hill” Annual meeting of the AAI, San Francisco, CA, May 2011.

“Networking for introverts”, Annual meeting of Society for Leukocyte Biology, Raleigh, NC, September 2015

‘NIH funding and research policy: Challenges and concerns from the investigator’s perspective’, Annual meeting of the AAI, Seattle, WA, May 2016.

1. Seminars

1. "Characterization of Human Natural Killer Activity Against Herpes Simplex-Infected Targets." The University of North Carolina, Chapel Hill, February, 1983.
2. "The Class II Molecule as a Signal Transducer to the B Cell." Indiana University, Indianapolis, April, 1988.
3. "The Class II Molecule as a Signal Transducer to the B Cell." University of California, Davis, April, 1988.
4. "The Class II Molecule as a Signal Transducer to the B Cell." SUNY, Stony Brook, April, 1988.
5. "The Class II Molecule as a Signal Transducer to the B Cell." University of Utah, Salt Lake City, May, 1988.
6. "The Class II Molecule as a Signal Transducer to the B Cell." University of Iowa, Iowa City, June, 1988.
7. "The Class II Molecule as a Signal Transducer to the B Cell." Glaxo, Inc., Research Triangle Park, NC, June, 1988.
8. "The Class II Molecule as a Signal Transducer to the B Cell." University of Colorado, Denver, July, 1988.
9. "The Class II Molecule as a Signal Transducer to the B Cell." Uniformed Services University of the Health Sciences, Bethesda, MD, July, 1989.
10. "The Class II Molecule as a Signal Transducer to the B Cell." University of Minnesota, Minneapolis, August, 1988.
11. "The Class II Molecule as a Signal Transducer to the B Cell." Mayo Clinic, Rochester, MN, August, 1988.
12. "The Class II Molecule as a Signal Transducer to the B Cell." University of Iowa, Dept. of Internal Medicine, Iowa City, October, 1989.
13. "Class II and Ig Molecules in B Cell Signaling." Oxford University, Oxford, UK, May, 1990.
14. "Molecular Characterization of Ig and MHC Class II Molecules as B Cell Signal Receptors" University of Iowa, Program in Molecular Biology, November, 1993.
15. "Molecular Mechanisms in Ig and Class II-Mediated B Cell Signaling", University of North Carolina, Chapel Hill, NC, March, 1994.

16. "Regulation of B Cell Activation by mIg, MHC Class II, and CD40 Signals", University of Iowa, Immunology Program, September, 1994.
17. "A Structure-Function Analysis of Class II as a B Cell Signal Receptor", University of Virginia, Charlottesville, VA, October, 1994.
18. "Molecular Mechanisms of B Cell Signaling by MHC Class II and CD40". University of Iowa, Microbiology, November, 1995.
19. "Signaling to B Cells via MHC Class II and CD40", University of Michigan, Ann Arbor, MI, January 1996.
20. "Signaling to B Cells via MHC Class II and CD40", University of Iowa, Infectious Diseases Research Seminars, April 1996.
21. "Regulation of CD40 Signaling Pathways", Plenary Session Talk (45 minutes), Autumn Immunology Conference, Chicago, IL, Nov. 1996.
22. "Molecular Characterization of CD40 Signaling to B Cells", 3M Pharmaceuticals, St. Paul, MN, March 1997.
23. "CD40 Signaling: Using Structural Clues to Solve Functional Mysteries", National Jewish Hospital & University of Colorado Health Sciences Center, Denver, CO, September, 1997.
24. "Signaling to B Cells by CD40 and LMP1", University of Indiana Medical School, Indianapolis, IN, November, 1997.
25. "Roles of NF- κ B and TRAFs in CD40 Signaling to B Cells", Iowa State University, Ames, IA, March, 1998.
26. "TRAFs and Rafts in CD40 Signaling", University of Iowa, Biochemistry Research Workshop, November, 1999.
27. "Molecular Mechanisms of R848 Signaling to B Cells", 3M Pharmaceuticals, St. Paul, MN, December, 1999.
28. "Signaling by CD40 and the Oncogenic Protein LMP1 - Roles of TRAFs and Rafts", University of Toronto, Toronto, Canada, January, 2000.
29. "Molecular mechanisms of CD40 signaling", University of Alabama, Birmingham, AL, February, 2000.
30. "TRAFs and rafts in CD40 and LMP1 signaling", Ohio State University and Children's Hospital Research Center, Columbus, OH, April 2000.
31. "TRAFs and rafts in CD40 and LMP1 signaling", Trudeau Institute, Saranac Lake, NY, July 2000.
31. "B cell signaling by CD40 and the oncoprotein LMP1: Roles of TRAFs and rafts", Penn State University, State College, PA, January 2001.

32. "Differential TRAF regulation and signaling to B cells by CD40 and the oncogenic protein LMP1", Oklahoma Medical Research Foundation, Oklahoma City, OK, March 2001.
33. "TRAFs and rafts in differential signaling to B cells by CD40 and the EBV oncoprotein, LMP1", M.D. Anderson Cancer Center, Houston, TX, May 2001.
34. "The many faces of TRAFs in B cell signaling", University of Michigan, Ann Arbor, MI, February 2002.
35. "Regulation of TRAFs in signaling to B cells by CD40 and LMP1", Duke University, March 2002.
36. "Regulation of TRAFs in signaling to B cells by CD40 and its oncogenic mimic, LMP1", University of Miami, April 2002.
37. "Regulation of TRAFs in B lymphocyte signaling", University of Illinois-Chicago, May 2002.
38. "Roles of TRAF molecules in signaling by CD40 and its oncogenic mimic, LMP1", Roswell Park Cancer Institute, Buffalo, NY, Sept. 2002.
39. "New insights into the roles of TRAF molecules in B lymphocyte signaling", University of Pennsylvania, Philadelphia, PA, Nov. 2002.
40. "The roles played by TRAF molecules in signaling by CD40 and its oncogenic mimic, LMP1", Cleveland Clinic, Cleveland, OH, March 2003.
41. "Multiple roles for TRAFs in signaling to B lymphocytes by TNFR family molecules". Mt. Sinai Medical Center, New York, NY, October 2003.
42. "New insights into TRAF functions in B lymphocytes", Rutgers University School of Medicine, New Brunswick, NJ, May 2004.
43. "New insights into TRAF functions in B lymphocytes", Albany Medical College, Albany, NY, June 2004.
44. "New approaches to understanding lymphocyte TRAF functions", NIH, Bethesda, MD, September 2004.
45. "New insights into TRAF functions in B lymphocytes", University of Louisville, Louisville, KY, October 2004.
46. "New insights into TRAF functions in B lymphocytes", Stanford University, CA, December 2004.
47. "TRAFs wear many hats in B lymphocyte activation", University of Alabama, Birmingham, AL, January 2005.
48. Signaling to B cells by CD40 and its evil twin, LMP1", U. of California-San Diego, La Jolla, CA, February 2005.
49. "Signaling to B cells by CD40 and its evil twin, LMP1", U. of Minnesota, Minneapolis, MN, March 2005.

50. CD40 and its evil twin in B lymphocyte activation, U. of California-San Francisco, San Francisco, CA, October 2005.
51. Multiple roles of TRAFs in lymphocyte activation, U. of Wisconsin-Madison, Madison, WI, April 2006.
52. Uncovering the secret life of TRAF3: Roles in regulating B cell activation, U. of South Florida, Tampa, FL, April 2006.
53. Multiple roles for TRAF3 in lymphocyte activation, National Institutes of Health, Bethesda, MD, November 2006.
54. The multiple personalities of TRAF molecules. U. of Massachusetts, Worcester, MA, January 2008.
55. The many roles of TRAF3 in lymphocyte function. Case Western Reserve U., Cleveland, OH, May 2008.
56. Multiple roles for TRAF3 and TRAF5 in lymphocyte activation, University of Toronto, Toronto, Canada, September 2008.
57. Multiple roles for TRAF3 and TRAF5 in lymphocyte activation, New York University, New York, NY October 2008.
58. Multiple roles for TRAF3 and TRAF5 in lymphocyte activation, Indiana University, Indianapolis, IN, July 2009.
59. Multiple roles for TRAF3 and TRAF5 in lymphocyte activation, The Burnham Institute for Medical Research, La Jolla, CA, August 2009.
60. TRAFs and TLRs in lymphocyte activation and vaccination, Dept. of Microbiology & Immunology, University of North Carolina, Chapel Hill, NC, October 2009.
61. TRAFs and TLRs in lymphocyte activation and vaccination, University of Iowa, Graduate Program in Immunology, Iowa City, IA, October 2009.
62. The Many Faces of TRAFs, University of Iowa Dept. of Pharmacology, Iowa City, IA, November 2009.
63. The many faces of TRAF molecules in immune function and regulation. University of North Carolina Cancer Center, Chapel Hill, NC, March 2010.
64. TRAFs and TLRs in lymphocyte activation and vaccination, Vanderbilt University, Nashville TN, April 2010.
65. Multiple personalities for TRAFs in immune regulation. La Jolla Institute for Allergy & Immunology, La Jolla, CA, March 2011.
66. Roles of distinct TRAF usage in normal vs. abnormal receptor function. University of Wisconsin-Madison, October 2011.
67. Multiple personalities for TRAFs in immune regulation. Case Western Reserve University, Cleveland, OH, January 2012.

68. Multiple personalities for TRAFs in immune regulation. Blood Research Institute, Milwaukee, WI, April 2012.
69. Roles of TRAFs in the regulation of B cell function and malignancy. MD Anderson Cancer Ctr., Houston, TX, June 2012.
70. Multiple personalities for TRAF3 in B vs. T lymphocytes. Postdoc-invited speaker, National Jewish Hospital and U. of Colorado integrated Immunology Program, Denver, CO, September 2012.
71. Multifaceted roles for TRAFs in immune regulation. University of Missouri, Columbia, MO, September 2013.
72. New roles for TRAF3 and CD40 in T lymphocytes. University of Connecticut Health Science Center, Farmington, CT, October 2013.
73. New roles for TRAF3 and CD40 in T lymphocytes. Murphy Distinguished Lecture, University of Oklahoma College of Medicine, April 2014.
74. TRAF3 as a regulator of B cell survival and malignancy. Novartis Oncology Institute, Cambridge, MA, October 2014.
75. The many hats of TRAF3 in lymphocyte regulation. U. of Minnesota, Minneapolis, MN, February 2015.
76. LMP1, TRAF3 deficiency, and B cell malignancies. U. of Iowa, Infectious Diseases Seminar Series, May 2016.
77. TRAF3 and LMP1-regulated survival pathways in human B cell lymphoma. Holden Comprehensive Cancer Center, Cancer Genes & Pathways Program, U. of Iowa, August 2016.
78. Multiple faces of TRAF3 in T and B lymphocyte regulation. Dartmouth U., September 2016.
79. New roles for B cells in cancer vaccines. Jounce Therapeutics, Cambridge, MA, October 2016.
80. TRAF3 as a key regulator of B cell survival and activation. Comprehensive Cancer Center – U. of North Carolina, Chapel Hill, NC, October 2016.
81. TRAF3- a chameleon in T and B lymphocyte regulation. U. of Alabama, Birmingham, AL, April 2017.
82. TRAF3 as a regulator of kinases and phosphatases in lymphocytes. Iowa State University, Ames, IA, September 2018
83. TRAF3 as a multi-faceted regulator of lymphocyte signaling and function. La Jolla Institute for Allergy and Immunology, San Diego, CA, October 2018.

2. Oral Conference presentations.

1. "Characteristics of human natural killer activity against target cells infected with Herpes simplex virus type 1". 6th Annual Herpesvirus Symposium, Cold Spring Harbor Laboratory, Cold Spring, NY, August, 1982.
2. "Recognition by natural killer cells of viral glycoproteins on target cells infected with HSV-1". Annual Meeting of the American Society for Virology, July, 1983.
3. "Analysis of the specificity of natural killer cells for HSV-1 infected targets". American Association of Immunologists, St. Louis, MO, April, 1984.
4. "Clonal specificity of human natural killer cells for determinants of HSV-1 glycoproteins". 10th International Herpesvirus Symposium, Ann Arbor, MI, August, 1985.
5. "Induced differentiation of a B cell clone: role of surface immunoglobulin, class II antigen and IL-2 receptor". American Association of Immunologists, St. Louis, MO, April 1986.
6. "Haplotype-specific differences in signaling by transfected class II molecules to a B cell clone". 18th Annual Autumn Immunology Conference, November, 1989.
7. "Ig and class II-mediated signaling in CD5 B cells". Presented at New York Academy of Sciences Conference, "CD5 B Cells in Development and Disease," Miami, Florida, June, 1991.
8. "Effects of structural alterations of the MHC class II beta chain on class II-mediated B cell activation". Presented at 8th International H-2/HLA Workshop, Jekyll Island, GA, April, 1992.
9. "Length and sequence requirements of the cytoplasmic domain of the A β molecule for class II-mediated B cell signaling". 9th International H-2/HLA Workshop, Garda, Italy, May 1994.
10. "Distinct CD40 structural requirements regulate CD40-mediated signals". American Association of Immunologists, New Orleans, LA, June, 1996.
11. "Roles of TRAFs and rafts in B Cell Signaling by CD40 and the Oncoprotein LMP1", 8th International Congress on TNF and Related Molecules, Trondheim, Norway, May 2000.
12. "TRAFs and rafts in signaling to B lymphocytes by CD40 and its oncogenic mimic, LMP1", Keynote Address, UNC-Lineberger Cancer Center 25th Annual Postdoctoral-Faculty Research Conference, Chapel Hill, NC, September 2000.
13. "TRAFs and rafts in B lymphocyte signaling", Plenary Speaker, First Annual Buffalo Conference on Immunology, SUNY-Buffalo, NY, November 2001.
14. "TRAFs and rafts in B lymphocyte signaling", Plenary Speaker, Cytokine Odyssey 2001, Maui, Hawaii, November 2001.
15. "Molecular characterization of signaling differences between CD40 and LMP1", TNF Superfamily Conference, San Diego, CA, October 2002.
16. "New insights into TRAF functions in lymphocyte activation", Plenary speaker, Midwinter Conference of Immunologists, Asilomar, Pacific Grove, CA, January 2004.

17. "TRAF regulation by B lymphocytes", Plenary Speaker, Gordon Research Conf. on Immunochemistry & Immunobiology, Santa Barbara, CA, February, 2004.
18. "TRAF function in lymphocyte signaling", Plenary Speaker, FASEB Summer Conference on Signal Transduction in the Immune System, Snowmass, CO, June 2005.
19. "Understanding the many faces of TRAF3", Plenary Speaker, TNFR Superfamily Conference, May, 2007, Asilomar, Pacific Grove, CA.
20. "Multiple roles played by TRAF3 in lymphocyte activation and regulation", Plenary Speaker, NIH Conference on Immunology, Cancer, & Infectious Disease, June 2008, Bethesda, MD.
21. "The many roles of TRAFs in lymphocyte function", Plenary speaker, 5th Leukocyte Signal Transduction Conference, Aegean Conferences, Crete, June 2009.
22. "Multiple personalities for TRAF3 in lymphocyte regulation", Keynote speaker and "guru", NIH Immunology Retreat, Cambridge, MD, September 2010.
23. "Mouse models for the role of EBV in autoimmunity". Plenary speaker, Annual European Congress of Rheumatology, London, UK, May 2011.
24. "Multiple roles for TRAF molecules in immune cell regulation". Plenary speaker, 6th International Leukocyte Signal Transduction Workshop, Crete, Greece, June 2011.
25. "The multifaceted roles of TRAF molecules in immune cell regulation.", Plenary speaker, 40th Autumn Immunology Conference, Chicago, IL, November 2011.
26. "Multiple personalities for TRAF molecules in immune regulation", Keynote address, New York Immunology Conference, Lake George, NY, October 2012.
27. "The many faces of TRAF molecules in immune regulation", Presidential Keynote lecture, American Association of Immunologists annual meeting, Honolulu, HI, May 2013.
28. "The multifaceted roles of TRAF molecules in immune regulation", Plenary speaker, 14th International TNF Conference, Quebec City, Quebec, July 2013.
29. "TRAF3- a powerful and multi-talented regulator of leukocyte functions", Keynote Address (Bonazinga Award Lecture), Society for Leukocyte Biology, Raleigh, NC, September 2015.
30. TRAF3 as a regulator of negative signaling in lymphocytes. University of North Carolina Immunology T32 Symposium, Keynote Speaker, Chapel Hill, NC, October 2017
31. TRAF3 and B cells: Insights into pathogenesis of B cell malignancies. Blood Research Institute Immunology Symposium, Plenary Speaker, Milwaukee, WI, October 2017.
32. TRAF3 and B cells: Insights into pathogenesis of B cell malignancies. Federation of African Societies for Immunology Congress, Plenary Speaker, Hammamet, Tunisia, December 2017
33. TRAF3 and B cells: Control of B cell survival & roles in malignancy. Federation for Latin American Societies for Immunology Congress (ImmunoMexico), Plenary Speaker, Cancun, Mexico, May 2018

34. TRAF3: A multi-faceted regulator of lymphocyte signaling and function. Keynote Lecture, Immunology Symposium, University of North Carolina, Chapel Hill, NC, October 2018.

Current research support

R01 AI123107-01 (Bishop) 2/1/16-1/31/21

Molecular regulation of T cell activation signals by TRAF3

R21 AI119163-01A1 (Bishop) 2/1/16-1/31/19 (NCE)

CD40 as a regulator of CD8 T cell activation in obesity and adipose tissue inflammation

VA Senior Research Career Scientist Award (Bishop)

10/1/03-9/30/20

Veterans' Administration (salary only).

VA Merit Review I01 BX001702-06 (Bishop)

10/1/16-9/30/20

TRAF3 as a regulator of normal and malignant B cell survival.

P30 CA086862 (Weiner)

6/1/16-5/31/21

salary only

This is the support grant for the UI Holden Comprehensive Cancer Center. 10% salary support is provided to Dr. Bishop in her role as Associate Director for Basic Research.

T32 AI07485 (Bishop)

8/1/16-7/31/21

No PI salary/effort assigned

Predocutorial Training Program in Immunology

This training grant provides stipend and travel support for 6 predoctoral trainees per year who are pursuing their degrees in the Graduate Program in Immunology. This is an interdisciplinary program that awards the Ph.D. degree in Immunology.

P50 CA97274 (competitive renewal) SPORE in B cell lymphoma (Weiner/Witzig) 9/1/17-8/31/22)

Bishop/Witzig Co-PIs of Project 3, Targeting tumor metabolism in aggressive lymphoma

This collaborative project, part of a 4-project renewal SPORE application, focuses upon understanding and targeting the enhanced glucose utilization and metabolism of aggressive B cell lymphomas.