

***CURRICULUM VITAE***  
**PETER N. DEVREOTES, Ph.D.**

**PERSONAL INFORMATION:**

Department of Cell Biology	410-955-3225 (office)
Johns Hopkins University School of Medicine	410-955-4699 (lab)
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Baltimore, MD 21205	410-614-9461 (fax)
E-mail: <a href="mailto:pnd@jhmi.edu">pnd@jhmi.edu</a>	
Web Page: <a href="http://www.hopkinsmedicine.org/cellbio/devreotes">www.hopkinsmedicine.org/cellbio/devreotes</a>	

**EDUCATION:**

1977, Ph.D., Biophysics  
Johns Hopkins University, Baltimore, Maryland  
Graduated Summa Cum Laude

1971, B.S., Physics  
University of Wisconsin, Madison, Wisconsin  
Phi Kappa Phi Graduate

**RESEARCH EXPERIENCE:**

2009-present, Isaac Morris and Lucille Elizabeth Hay Professor of Embryology

2000-present, Professor and Director of the Department of Cell Biology,  
The Johns Hopkins University School of Medicine

1987-2000, Professor, Department of Biological Chemistry,  
The Johns Hopkins University School of Medicine

1985-1987, Associate Professor, Department of Biological Chemistry,  
The Johns Hopkins University School of Medicine

1980-1985, Assistant Professor, Department of Biological Chemistry,  
The Johns Hopkins University School of Medicine.

1977-1980, Damon Runyon Cancer Fund Fellow, Department of Biochemistry,  
University of Chicago, with Theodore L. Steck

1971-1977, Graduate Student, Department of Biophysics,  
The Johns Hopkins University, with Douglas Fambrough

**PRESENTATIONS and AWARDS:**

ASCB Inaugural Fellow (2016)  
 Keynote Speaker Gordon Research Seminar on Directed Cell Migration, Galveston TX (2013)  
 Plenary Lecture, Workshop on Cell Signaling and Cytoskeleton in Directed Cell Migration, Vanderbilt University, Nashville, TN (2012)  
 Keynote Speaker, Annual Molecular Biotechnology Symposium, North Carolina State, NC (2010)  
 Keynote Speaker, Cold Spring Harbor Symposium Axon Guidance, Cold Spring Harbor, NY (2010)  
 Keynote Speaker, Gordon Conference on "Phosphorylation and G-Protein Signaling Networks, Biddeford, ME (2007)  
 Keynote Speaker, Gordon Conference on "Fibronectins, Integrins & Related Molecules," Il Ciocco, Italy (2007)  
 Keynote Speaker, 7th Annual Great Lakes GPCR, Detroit, MI (2006)  
 Robert E. Davies Lecture, University of Pennsylvania, Philadelphia, PA (2006)  
 Danny Thomas Lectureship, St. Jude Children's Research Hospital, Memphis, TN (2006)  
 NIH Merit Award (2005)  
**Elected to the National Academy of Sciences (2005)**  
 American Society for Cell Biology Elected Council Member (2004-present)  
 Plenary Lecture, Keystone Symposia, Snowbird, UT (2005)  
 Keynote Speaker, 3rd TLL Life Sciences Symposium, Singapore (2004)  
 Plenary Lecture, Second Messengers & Phosphoproteins, Montreal, Canada (2004)  
 Plenary Lecture, 62nd Annual Meeting of Society for Developmental Biology, Boston, MA (2003)  
 Keynote Speaker, Keystone Symposia, Breckenridge, CO (2003)  
 Kenneth Sparks/Julia Fisher Lectureship, University of Connecticut (2001)  
 The Myron Levine Lectureship, University of Michigan, Ann Arbor, MI (2001)  
 14th Annual Signal Transduction Symposium Chicago, IL (2001)  
 Plenary Lecture, Japanese Dictyostelium Meeting, Tskuba (2000)  
 UMBC Symposium Keynote Speaker (2000)  
 University Lecture Series UT South Western (1999)  
 Plenary Lecture XIII ECRO Congress Siena Italy (1998)  
 UCSD Beckman Symposium on Signal Transduction (1997)  
 Staples Seminar, University of Maine (1996)  
 Second Messengers and Protein Phosphorylation Plenary Lecture (1995)  
 Givaudan-Roure Lecture, American Chemosensory Society (1994)  
 Gruber Lecturer, University of Groningen, the Netherlands (1993)  
 American Heart Association Established Investigator (1984-1989)  
 American Cancer Society Junior Faculty Research Award (1981-1984)

**ACTIVITIES:**

Allen Institute for Cell Science Advisory Board member (2014-present)  
 NIH Fellowship Review Panel: Cell Biology, Developmental Biology, and Bioengineering (2014)  
 NIH/CSR Nuclear and Cytoplasmic Structure/Function and Dynamics Study Section (2012)  
 NAS Class Membership Committee (2012)  
 Searle Scholars Program Advisory Board member (2007-2011)  
 External Advisory Committee of the Cell Migration Consortium (2007-2011)  
 National Academy of Sciences - Liaison to National Research Council for Section 23 (2007-present)  
 NIH Cell Structure Function Study Section (2007)

NRSA Cell Biology and Development Fellowship Study Section (2007)  
External Reviewer for Chair of Department of Cell Biology at University of Virginia (2007)  
Institute for NanoBioTechnology Steering Committee (2005-present)  
American Society for Cell Biology Elected Council Member, (2004-present)  
Chair and Founder, Gordon Conference on "Gradient Sensing and Directed Cell Migration" (2005)  
Ad hoc Reviewer for journals: *Science, Molecular Biology of the Cell, European Molecular Biology Organization, Journal of Cell Biology, and Cell*  
Associate Editor, *Molecular Biology of the Cell*, (1997-2004)  
NIH Biochemistry Study Section Ad hoc Reviewer (1997-1999)  
NIH Cell Biology Study Section Ad hoc Reviewer (1996-1997)  
American Cancer Society Scientific Review Committee (1990-1993)  
Chair, Gordon Conference on Sensory Transduction in Microorganisms (1990)  
American Society for Biochemistry and Molecular Biology  
American Society for Cell Biology (1988-present)  
Vice Chair, Gordon Conference on Sensory Transduction in Microorganisms (1988)  
Van der Klaus Visiting Professor, University of Leiden (1986)

#### **DEPARTMENTAL AND MEDICAL SCHOOL ACTIVITIES:**

Director, Department of Cell Biology (2000-present)  
Agenda Committee of the Advisory Board (2010-2014)  
Professorial Promotions Committee (2004-2009)  
Division of Johns Hopkins Singapore Search Committee (2004-2006)  
Biophysics Department Director Search Committee (2004-2006)  
Physiology Department Director Search Committee (2004-2005)  
Advisory Board for the Basic Sciences Microscope Facility (1998-present)  
Director, Biochemistry, Cellular and Molecular Biology Graduate Program (1990-2000)  
Associate Professor Promotions Committee (1987-1990)  
Medical School Council (1987-1990)  
BCMB Graduate Student Admissions Committee (1981-1990)  
Medical School Radiation Safety Council (1987-1990)  
BCMB Graduate Student Steering Committee (1981-1990)  
Organizer Department Seminar Program (1986-1990)  
Organizer Department Journal Club (1981-94)

#### **PATENTS:**

US Patent for "Activation of Heterotrimeric G-Proteins" Serial No. 7,691,564

#### **TEACHING EXPERIENCE:**

Lectures for thirty years in the following areas:  
BCMB Graduate Program (1980-2000): "Enzyme Kinetics", "Transmembrane Signaling"  
BCMB Graduate Program (2000-present) "Strategies for Cell Biology Research"  
Received the Graduate Student Teaching Award of 1990  
Medical School Biochemistry: (1980-2000) "Cell Surface Receptors", "Glycogen Metabolism"  
Medical School Cell Biology (2000-present) "Signal Transduction," "Cell Growth, Death and Cancer"

**STUDENTS AND FELLOWS TRAINED:**

Tit-Yee Wong (Postdoctoral Fellow: 1981-1983)  
Professor, Department of Biology  
University of Memphis, Memphis, TN

Donna Fontana (Postdoctoral Fellow: 1982-1986)  
Physician, Arthritis & Rheumatology Consultants, Edina, MN

Barry Knox (Postdoctoral Fellow: 1984-1985)  
Professor, Biochemistry & Molecular Biology & Ophthalmology  
SUNY Upstate Medical University, Syracuse, NY

Anne Theibert (Predoctoral Fellow: 1981-1985; Postdoctoral Fellow: 1985-1987)  
Professor, Department of Neurobiology  
Co-Director, Undergraduate Neuroscience Program  
University of Alabama School of Medicine at Birmingham, AL

Cathy Berlot (MD-PhD Predoctoral Fellow: 1983-1985 via collaboration with James Spudich)  
Awards: Medical Scientist Training Program Scholarship, 1982-87  
Staff Scientist, Weis Center for Research, Geisinger Clinic, Danville, PA

Peter Klein (MD-PhD Predoctoral Fellow: 1984-1988)  
Awards: Paul Ehrlich Research Award, 1987  
Professor, Department of Medicine, Perelman School of Medicine, University of Pennsylvania,  
Philadelphia, PA

Roxanne Vaughan (Postdoctoral Fellow: 1986-1989)  
Professor, Dept. of Biochemistry and Molecular Biology  
University of North Dakota, Grand Forks, ND

Julia Sun (Postdoctoral Fellow: 1987-1990)  
Staff Scientist, Industry Research, Taiwan

Maureen Brandon (Postdoctoral Fellow: 1986-1991)  
Dean, Fort Lewis College, Durango, CO

Robert Gundersen (Postdoctoral Fellow: 1986-1991)  
Associate Professor & Chair, Department of Molecular & Biomedical Sciences  
University of Maine, Orono, ME

Ronald Johnson (Predoctoral Fellow: 1987-1992)  
Awards: Predoctoral NRSA Award, 1987-89  
JHU Young Investigator's Award, 1992  
Director, Cancer Etiology Branch, Division of Cancer Biology  
NIH, Bethesda, MD

Geoffrey Pitt (MD/PhD Predoctoral Fellow: 1988-1993)  
Awards: Medical Scientist Training Program Scholarship 1988-93  
Paul Ehrlich Research Award, 1993  
Ida and Theo Rossi Distinguished Professor of Medicine  
Director, Cardiovascular Research Institute  
Weill Cornell Medicine, New York, NY

Lijun Wu (Postdoctoral Fellow: 1991-1994)  
Sr. Vice President, Preclinical & Early Clinical Development, Delinia, Inc.  
Entrepreneur-in-Residence, Atlas Venture  
Cambridge, MA

Pamela Lilly McNelis (Predoctoral Fellow: 1987-1994)  
Previously Staff Scientist at ChemDex, Currently Homemaker, Cupertino, CA

Robert Insall (Postdoctoral Fellow: 1992-1995)  
Winner of Postdoctoral Research Award, 1995  
Sr. Group Leader and Professor of Genetics & Cell Biology  
CR-UK Beatson Institute for Cancer Research, Glasgow, UK

Michael Caterina (MD-PhD Predoctoral Fellow 1989-1995)  
Awards: Searle, Pew, and Beckman Awards  
Alpha Omega Alpha Medical Honor Society (1995)  
Gate Pharmaceuticals Medical Student Award (1995)  
Professor, Department of Biological Chemistry  
Johns Hopkins University School of Medicine, Baltimore, MD

Dale Hereld (Postdoctoral Fellow: 1989-1995)  
Awards: Damon Runyun-Walter Winchell Cancer Research Fund Fellowship Award, 1990-92  
Program Director, NIH/NIAAA  
Division of Metabolism and Health Effects, Bethesda, MD

Jacqueline Milne (Postdoctoral Fellow: 1991-1996)  
Awards: Medical Research Council of Canada Postdoctoral Fellowship, 1991-93  
Medical Research Council of Canada Centennial Fellowship, 1993-96  
JHU Young Investigator's Award, 1996  
Head, Electron Microscopy Core  
Associate Scientist, NCI / CCR / NIH  
Bethesda, MD

Ji-Yun Kim (Predoctoral Fellow: 1989-1997)  
Sr. Research Scientist, Bayer Healthcare, Richmond, CA

Mei-Yu Chen (Predoctoral Fellow: 1991-1997)  
Awards: Merck Foundation Predoctoral Fellowship, 1992-97  
Professor, Inst. of Biochemistry & Molecular Biology  
National Yang-Ming University, Taipei, Taiwan

Brenda Blacklock (Postdoctoral Fellow: 1995-1997)  
Senior Lecturer, Dept. of Chemistry & Chemical Biology  
Indiana University-Purdue University, Indianapolis, IN

Zhan Xiao (Predoctoral Fellow: 1994-1999)  
Associate Research Investigator, Abbott Laboratories, Abbott, IL

Misook Kim (Postdoctoral Fellow: 1998-1999)  
Homemaker, Korea

Yihong Yao (Postdoctoral Fellow: 1997-2000)  
Senior Scientist, Abbott Bioresearch Center, Worcester, MA

Carole Parent (Postdoctoral Fellow: 1994-2000)  
Awards: Medical Research Council of Canada Postdoctoral Fellowship (1993-1996)  
American Cancer Society Institutional Award (1996-1997)  
NIH RO1 Co-PI w/Dr. Devreotes  
Deputy Laboratory Chief, Laboratory of Cellular and Molecular Biology  
CCR / NCI/NIH, Bethesda, MD

Saskia Van Es (Postdoctoral Fellow: 1996-2000)  
Lecturer, Division of Cell Biology  
The Netherlands Cancer Institute

Tian Jin (Postdoctoral Fellow: 1994-2001)  
Awards: NIH Nephrology Training Program Postdoctoral Fellowship, 1998-99  
NIH National Public Health Postdoctoral Fellowship, 1996-98  
Chief, Chemotaxis Signal Section, Laboratory of Immunogenetics  
NIAID / NIH, Bethesda, MD

Ning Zhang (Predoctoral Fellow: 1996-2001)  
Chief, Laboratory of Translational Cancer Biology  
Tianjin Medical University, Tianjin, China

Jeffrey Keefer (Research Fellow: 2001)  
Assistant Professor, Pediatric Hematology  
John's Hopkins Children's Center  
Baltimore, MD

James Silverman (Predoctoral Fellow: 1997-2004)  
Medical Science Liaison, Teva Pharmaceuticals Industries

Yi Elaine Huang (Predoctoral Fellow: 1999-2004)  
Research Scientist, Metamark Genetics

Carol Manahan (Postdoctoral Fellow: 2000-2004)  
Associate Director, Scientific Education & Review,  
Novartis Institute for Biomedical Research, Cambridge, MA

Chris Janetopoulos (Postdoctoral Fellow: 2000-2003; Research Associate: 2004-2005)  
Awards: ACS Postdoctoral Fellowship 2000  
JHU Albert Lehninger Young Investigators Award 2002  
Associate Professor, Department of Biological Sciences, University of the Sciences,  
Philadelphia, PA

Miho Iijima (Postdoctoral Fellow: 2000-2004; Research Associate: 2004-2006)  
Associate Professor, Department of Cell Biology  
Johns Hopkins University School of Medicine, Baltimore, MD

Mark Landree (Postdoctoral Fellow: 2000-2006)  
Awards: American Cancer Society Postdoctoral Fellowship, 2002-05  
GenBank Biologist, NCBI/NIH ComputerCraft, Inc., McLean, VA

Francisca (Paquita) Vazquez (Research Associate: 2003-2006)  
Research Scientist, Dana Farber Cancer Institute, Boston, MA

Lingfeng Chen (Predoctoral Fellow: 2000-2006)  
Adjunct Scientist, NIH, National Institute of Child Health & Human Development, Section on  
Organelle Biology, Bethesda, MD

Linnan Tang (Predoctoral Fellow: 1999-2007)  
Resident Physician, Duke University School of Medicine, Durham, NC

Sandra de Keijzer (Postdoctoral Fellow: 2005-2006)  
Postdoctoral Fellow, Program Officer, Stichting FOM, The Netherlands

Stacey Willard (Postdoctoral Fellow: 2005-2009)  
Awards: Ruth L. Kirschstein NRSA Postdoctoral Fellowship, 2006-08  
Senior Research Scientist/Training Coordinator, Eppendorf, Inc.

Jonathan Franca-Koh (Postdoctoral Fellow: 2003-2009)  
Program Director, NCI Division of Cancer Biology, Physical Sciences-Oncology,  
NIH, Bethesda, MD

Josephine (Hoi-Yan) Lee (Predoctoral Fellow: 2009-2010)  
Medical Student, National University of Singapore

Meghdad Rahdar (Predoctoral Fellow: 2005-2010)  
Staff Scientist, Isis Corporation

Yoichiro Kamimura (Postdoctoral Fellow: 2004-2011)  
Research Scientist, Laboratory for Cell Signaling Dynamics, Cell Dynamics Research Core, RIKEN  
in Japan

Zachary Gagnon (Postdoctoral Fellow: 2009-2011)  
Assistant Professor, Chemical & Biomolecular Engineering, Whiting School of Engineering, JHU  
Justin Galloway (Predoctoral Fellow: 2008-2012)  
Process Engineer, Novozymes

Bill Diplas (Post-doctoral/Masters student: 2010-2011)  
Medical Student, Duke University

Runchi Gao (Predoctoral Fellow: 2012-2013)  
Jr. Faculty member, Kunming University, China

Ming (Michelle) Tang (Pre- and Postdoctoral Fellow: 2005-2014)  
Homemaker, Stockholm, Sweden

Nghia Nguyen (Postdoctoral Fellow: 2012-2014)  
Postdoctoral Fellow, Laboratory of Signal Transduction, Inositol Signaling Section, NIEHS,  
Research Triangle Park, NC

Kristen Swaney (Predoctoral Fellow: 2005-2012; Postdoctoral Fellow: 2012-2015)  
Postdoctoral Fellow, Rong Li Lab  
Department of Cell Biology  
The Johns Hopkins University School of Medicine

Huaqing Cai (Postdoctoral Fellow: 2007-2013; Research Associate: 2013-2015)  
Awards: Helen Hay Whitney Postdoctoral Fellowship (2009-2012)  
Daniel Nathans Young Investigator Award, Johns Hopkins University (2014)  
Assistant Professor, Institute of Biophysics  
Chinese Academy of Sciences, Beijing, China

Chuan-Hsiang (Bear) Huang (Postdoctoral Fellow: 2008-2014; Research Associate: 2014-2016)  
Award: Harold L. Plotnick Damon Runyon Cancer Research Foundation Fellowship 2009  
Assistant Professor, Department of Pathology  
Johns Hopkins University, Baltimore, MD

Yulia Artemenko (Postdoctoral Fellow: 2008-2014; Research Associate 2014-2016)  
Assistant Professor, Department of Biological Sciences  
SUNY at Oswego, Oswego, NY

## **IN TRAINING:**

Thomas Lampert (Postdoctoral Fellow: 2012-2016; Research Associate: 2016-present)  
Award: American Cancer Society Postdoctoral Fellowship

Yuchuan Miao (Predoctoral Fellow: 2012-present)



Marc Edwards Award:	(Postdoctoral Fellow: 2014-present) The Johns Hopkins University Provost's Postdoctoral Diversity Fellowship FY2017
Huiwang (David) Zhan	(Predoctoral Fellow: 2014-present)
Budri Abubaker-Sharif	(Predoctoral Fellow: 2015-present)
Xiaoguang Li	(Predoctoral Fellow: 2016-present)
Zhijia Jiao	(Postdoctoral Fellow: 2017-present)

**GRANT SUPPORT (examples):**

"Excitable Networks in Directed Cell Migration"				
NIH 1R35GM118177-01	2016-2021		score = 10	
"Temporal and Spatial Signaling in Chemotaxis"				
NIH GM034933-17-25	2011-2015		score = 10	(2%)
	2015-2016		score = 14	(3%)
"Temporal and Spatial Signaling in Chemotaxis"				
Includes ARRA administrative supplement, \$134,946 direct costs				
NIH GM034933-17-20	2003-2011	\$1,556,178	score = 138	(5.6%)
"Signaling Networks in Chemotaxis and Cytokinesis" --- MERIT Award				
NIH GM028007-26-30	2005-15	\$1,791,188	score = 102	(1.1%)
"Modeling of Chemotactic Sensing in Dictyostelium"				
NIH GM071920	2004-2008	\$289,401		
"G-Protein Linked Signaling Pathways in Chemotaxis"				
NIH GM28007-22-25	2001-05	\$1,239,840	score = 153	(6.1%)
BIOCOMPLEXITY: Mathematical and Biological Modeling of Cell Polarization				
NSF DMS-0083500	2000-05	\$ 42,774		
Alliance for Cellular Signaling				
NIH U54 GM62114	2000-05	\$ 60,810		
"Function and Regulation of Adenylyl Cyclases"				
NIH GM57874-01-04	1998-02	\$ 468,375	score = 130	(3%)
"G-Protein Signaling in Chemotaxis and Phagocytosis"				
NIH GM28007-18-23	1997-01	\$1,700,000	score = 140	(7%)
BCMB Training Grant, NIH GM-07445				
Principal Investigator	1997-02	\$6,800,000		

"Regulation of Adenylate Cyclases"			
ACS DB-1B	1996-98	\$ 194,000	
"Function and Regulation of G-Protein Coupled Receptors"			
NIH GM34933-09-12	1995-99	\$ 726,109	score = 129 (1.5%)
NIH GM34933-13-16	1999-03	\$ 939,161	score = 172
NSF Multiuser Equipment 1995			
Grant for DNA Synthesizers		\$ 250,000	
"Adenylate Cyclases in Dictyostelium"			
ACS DB-1B	1994-96	\$ 198,000	
BCMB Training Grant, NIH GM-07445			
Principal Investigator	1992-97	\$4,892,926	
"cAMP Receptor Subtypes and Dictyostelium Development"			
NIH GM34933-04-08	1990-95	\$ 741,889	score = 115
"Role of Signal Transduction in Dictyostelium Development"			
NIH GM28007-14-18	1993-97	\$1,246,193	score = 123 (0.5%)
"The Catalytic Subunit of the Adenylate Cyclase in Dictyostelium"			
ACS NP-60833	1990-92	\$ 175,000	
ACS DB-68112	1992-94	\$ 210,339	
"Role of Signal Transduction in Dictyostelium Development"			
NIH GM28007-09-13	1988-93	\$ 986,043	score = 118
"Modification of cAMP Receptors in Dictyostelium"			
NSF PCM-8417094	1985-87	\$ 130,000	
NIH GM34933-01-03	1987-90	\$ 328,068	score = 135
ACS JFRA	1981-84	\$ 54,000	
AHA EI	1984-89	\$ 175,000	
"cAMP Signals Mediating Aggregating in Dictyostelium"			
NIH GM28007-01-03	1980-83	\$ 159,553	score = 130
NIH GM28007-04-08	1983-88	\$ 630,357	score = 116

**INVITED TALKS:**

- 1980 Chemotaxis Workshop at ICN-UCLA meeting on Cell-Cell Regulation, Keystone
- 1981 EMBO and Max-Planck-Gesellschaft Workshop on Gene Expression and Membrane Changes, Tutzing, West Germany

- 1982 Gordon Conference on Sensory Transduction in Microorganisms, Ventura, CA  
The Weizmann Institute in Rehovoth, Israel  
School of Hygiene and Public Health, Johns Hopkins University  
National Jewish Hospital and Research Center, Denver, CO
- 1983 Table Ronde on Chemotaxis sponsored by Roussel-UCLAF, Paris  
Gordon Conference on Cyclic Nucleotides  
Gordon Conference on Eucaryotic Regulatory Mechanisms  
Oji Seminar on Gene Expression Recognition in the Cellular Slime Molds, Kyoto  
Department of Biology, Princeton University, Princeton, NJ  
Department of Biology, Georgetown University, DC  
Department of Biochemistry, Temple University, Philadelphia, PA  
Department of Biochemistry, York University, Toronto, Canada  
Department of Biophysics, Johns Hopkins University, Baltimore, MD
- 1984 Gordon Conference on Sensory Transduction in Microorganisms, Oxnard, CA  
Society of Experimental Zoologists Symposium, Philadelphia, PA  
Cold Spring Harbor Symposium on Microbial Development  
Gordon Conference on Cyclic Nucleotides, Meriden, NH  
Gordon Conference on Eucaryotic Regulatory Mechanisms, Plymouth, VT  
Department of Genetics and Development, University of Illinois, Urbana, IL  
Department of Biochemistry, Stanford University, Stanford, CA
- 1985 Thirteenth Annual Aharon Katzir-Katchalsky Symposium on Sensing and Response  
in Microorganisms, Weizmann Institute, Rehovoth, Israel  
Cold Spring Harbor Symposium #50 on Molecular Biology of Development  
Gordon Conference on Second Messengers and Protein Phosphorylation  
Department of Biology, University of Vermont, Burlington, VT  
Department of Biochemistry, University of Tennessee, Nashville, TN  
Department of Cell Biology, Stanford University Medical School, Stanford, CA  
Department of Biology, University of California, San Diego, La Jolla, CA  
Department of Biology, University of Pennsylvania, Philadelphia, PA
- 1986 UCLA Workshop on Molecular Mechanisms of Hormone Action, Lake Tahoe, CA  
NATO Workshop on Molecular Mechanisms of Desensitization, The Netherlands  
Howard Hughes Conference on Response and Adaptation, Miami, FL  
Cold Spring Harbor Symposium on G-Proteins and Signal Transduction  
Gordon Conference on Sensory Transduction in Microorganisms, Oxnard, CA  
Gordon Conference on Biomathematics and Theoretical Biology,  
(Presented by Peter Klein)  
Gordon Conference on Biological Regulatory Mechanisms,  
(Presented by Peter Klein)
- 1987 Gordon Conference on Biological Regulatory Mechanisms  
Wilhelm Pfeffer Symposium, Universität Tübingen, Germany  
UCLA Conference on Signal Transduction and Cytoskeleton, Lake Tahoe, CA  
Department of Cell Biology, Columbia University Medical School, New York, NY

- 1988 Department of Pharmacology, Texas Health Science Center, Dallas, TX  
 Gordon Conference on Sensory Transduction in Microorganisms (Vice-Chairman)  
 Cold Spring Harbor Symposium #53 on Molecular Biology of Signal Transduction  
 Gordon Conference Second Messengers Protein Phosphorylation  
 Gordon Conference on Molecular Genetics, Plymouth, VT  
 Department of Biology, University of Iowa, Iowa City, IA  
 Department of Biology, University of Utah, Salt Lake City, UT  
 Department of Biochemistry, Washington State University, Seattle, WA  
 Department of Biochemistry, Colorado State University, Fort Collins, CO  
 NATO Conference on Theoretical Modeling of Biological Oscillations, Belgium  
 American Society of Gravitational and Space Biology, Washington, DC
- 1989 Department of Biology, University of California, San Diego, CA  
 Department of Biochemistry, University of California, Berkeley, CA  
 British Society of Developmental Biology, St. Andrews, Scotland  
 NATO Conference on Sensing and Response, The Netherlands  
 Howard Hughes Workshop on cAMP-Dependent Protein Kinase, Airlie, VA  
 Gordon Conference on Molecular Membrane Biology (Session Chairman)  
 Society of General Physiologists, Woods Hole, MA
- 1990 Gordon Conference on Sensory Transduction Microorganisms, (Chairman)  
 UCLA Symposium on Signal Transduction in Development, Steamboat, CO  
 (presented by Maureen Pupillo)  
 34th Annual Meeting of the Biophysical Society  
 Laboratory of Molecular Biology, Institute of Neurology, NIH  
 Department of Cell Biology and Anatomy, Johns Hopkins University  
 Department of Cell Biology, University of Miami  
 ASBMB Symposium, New Orleans, Louisiana  
 Society of Development Biologists, Washington, D.C.  
 FASEB Receptor Conference, Vermont  
 Society of Cell Biologists, San Diego (Plenary Lecture)  
 Gordon Conference on Animal Cells and Viruses (presented by Julia Sun)  
 Department of Pharmacology, University of California, San Francisco, CA
- 1991 CSH Banbury Center Conference on Seven-Transmembrane Segment Receptors  
 Department of Biology, California Institute of Technology, Pasadena, CA  
 ASBMB Meeting, Atlanta  
 Molecular Basis of Signal Transduction Symposium, SUNY, Stony Brook, New York  
 Roussel UCLAF Symposium on Seven Transmembrane Domain Receptors Signal  
 Transduction Mechanisms, Paris (presented by Robert Gundersen)  
 Gordon Conference on Second Messengers and Protein Phosphorylation  
 Gordon Conference on Molecular Pharmacology (Geoff Pitt)  
 FASEB Conference on Protein Kinases, Copper Mountain, CO  
 Department of Biochemistry, Vanderbilt University, Nashville, TN  
 Gordon Conference on Hormone Action  
 XVth European Symposium on Hormones and Cell Regulation, Mont Ste. Odile,  
 Alsace, France (presented by Ron Johnson)  
 G-Protein Conference, Lake Placid, New York

- The Thirteenth Edmond Rothschild School in Molecular Biophysics, "Chemotaxis of Cells and Unicellular Organisms", Israel (presented by Geoff Pitt)
- 1992 Department of Biochemistry, Penn State, College Park, PA  
 Gordon Conference on Sensory Transduction in Microorganisms, Oxnard, CA  
 BCMB Graduate Program, Washington University, St. Louis, MO  
 Department of Cell Biology, Duke University, Durham, NC  
 Department of Biochemistry, GLAXO  
 Cold Spring Harbor Symposium on The Cell Surface  
 Department of Biophysics, The Johns Hopkins University  
 Department of Biochemistry, Northwestern University, Chicago, IL  
 Department of Biochemistry, University of Chicago, Chicago, IL  
 Department of Microbiology, University of Wisconsin, Milwaukee, WI  
 Department of Biochemistry, Jefferson Medical School, Philadelphia, PA
- 1993 Department of Pharmacology, University of Washington, Seattle, WA  
 Department of Biology, University of Delaware, Newark, DE  
 Department of Cell and Development, Harvard University, Cambridge, MA  
 Gruber Lecturer, University of Groningen, The Netherlands  
 Department of Biology, University of Virginia, Charlottesville, VA  
 Keystone Symposia on Molecular Genetic Controls of Microbial Differentiation, Tamarron, CO (Lijun Wu)
- 1994 Gordon Conference on Sensory Transduction in Microorganisms  
 University of Georgia Winter Symposium, Athens, GA  
 Givaudan-Roure Plenary Lecture, American Chemosensory Society, Sarsota, FL  
 Department of Biochemistry, Case Western Reserve, Cleveland, OH  
 EMBO Workshop on Molecular Techniques to Study Endocytosis, Cell Motility and Differentiation in Dictyostelium, Martinsried, Germany  
 Gordon Conference on Hormone Action  
 Mid-Atlantic Society for Developmental Biology Meeting, University of Pennsylvania  
 Department of Pharmacology, Johns Hopkins University School of Medicine
- 1995 Keystone Symposia on Genetic Networks, Santa Fe, NM  
 Keystone Symposia on Cancer Cell Invasion and Motility, Tamarron, CO  
 Emory University Symposium on Signal Transduction, Atlanta, GA  
 British Society of Developmental Biology, University of Kent, Canterbury, UK  
 International Dictyostelium Conference, France (Carole Parent)  
 Steenbock Symposium on Sensing and Response in Microorganisms, Madison, WI  
 Ninth Conference on Second Messengers Phosphoproteins, Vanderbilt University School of Medicine (Symposium Speaker)  
 Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- 1996 Gordon Conference on Sensory Transduction in Microorganisms  
 Keystone Symposia on Directed Cell Migration, Sante Fe, NM  
 Department of Biophysics, New Jersey Medical School, New Brunswick, NJ  
 Staples Lecture, University of Maine, Bangor, ME  
 Ringberg Workshop on Endocytosis, Cell Motility, and Differentiation in

*Dictyostelium*

- Cellular and Molecular Medicine Seminar, Johns Hopkins University  
International Dictyostelium Conference, Japan (presented by Tian Jin)
- 1997 4th DBMS Workshop, Molecular Mechanisms of Cell Activation, Grenoble, France  
UCSD Beckman Symposium on Signal Transduction, La Jolla, CA  
Department of Biochemistry, Mt. Sinai, NY  
Department of Microbiology, University of Maryland  
Gordon Conference on Molecular Pharmacology, Ventura, CA  
Banting Best Institute, Toronto, Canada  
International Dictyostelium Conference, Snow Bird, UT  
International Conference on Signaling and Adhesion, Berlin, Germany
- 1998 Department of Molecular Biophysics, Yale University, New Haven, CT  
Department of Biology, Johns Hopkins University  
Department of Biological Chemistry, JHU School of Medicine  
Gordon Conference on Sensory Transduction Microorganisms  
Department of Molecular Biology and Genetics, Baylor University, Houston, TX  
Department of Neurobiology, University of Alabama at Birmingham, AL  
Gordon Conference on Chemotactic Cytokines  
International Conference on Dictyostelium, Munich, Germany  
Symposium Pattern Formation in Development, U of Minnesota, St Paul, MN  
Department of Pharmacology, Medical College of South Carolina, Charleston, SC  
Program Administrators, Rockledge Bldg., NIH  
Plenary Lecture, XIII Annual ECRO Congress, Siena, Italy  
Department of Marine Biology, University of Maryland
- 1999 Department of Biochemistry, Uniformed Services, Bethesda, MD  
Gordon Conference on Molecular Pharmacology  
Department of Biology, University of Missouri, Columbia,  
Department of Biology, University of Maryland, College Park, MD  
Merke, Sharpe, and Dhome, Rahway, NJ  
Symposium on Leukocyte Trafficking, American Association of Immunology, DC  
Department of Cell Biology, Duke University, Durham, NC  
BCMB Graduate Program, U. Washington, Seattle, WA  
Department of Pharmacology, U. Chicago, Chicago, IL  
Workshop on Genomics in Model Organisms (Carole Parent)  
International Dictyostelium Meeting, Bar Harbor ME  
University Lecture Series Southwestern Med Center, Dallas, TX  
Department of Pharmacology, UT Southwestern Med Center, Dallas, TX
- 2000 Gordon Conference on Sensory Transduction in Microorganisms  
UMBC Symposium Keynote Speaker  
Plenary Lecture, Japanese Dictyostelium Meeting, Tskuba  
ASPET Meeting, Boston, MA  
Society of Endocrinology, San Diego, CA  
Physiology Course, Marine Biological Laboratory, Wood's Hole, MA  
International Dictyostelium Meeting, Dundee

- BBV Foundation Meeting, Spain  
 International Francqui Colloquium, Brussels, Belgium  
 Millenium Pharmaceuticals, Cambridge
- 2001    Gordon Conference on Molecular Pharmacology, Ventura, CA  
 Keystone Symposium on Molecular and Cellular Biology, Lake Tahoe, CA  
 Keystone Symposium on Signaling Systems, Steamboat Springs, CO  
 Department of Cell Biology and Anatomy, JHMI  
 The Skirball Institute of Biomolecular Medicine, New York, NY  
 NIH National Cancer Institute, Bethesda, MD  
 Chicago Signal Transduction Symposium, Chicago, IL  
 Alliance for Cellular Signaling Annual Meeting, Bethesda, MD  
 Frontiers in Science Seminar Series, Stanford University  
 Gordon Conference - Second Messengers & Protein Phosphorylation,  
     New Hampshire  
 Society for Developmental Biology, Seattle, WA  
 International Dicty Conference, San Diego, CA  
 The Myron Levine Lectureship, University of Michigan, Ann Arbor, MI  
 Second International Conference on Systems Biology, Caltech  
 Kenneth Sparks/Julia Fisher Lectureship, University of Connecticut  
 International Conference of the DFG-MDC, Berlin, Germany
- 2002    Compass Workshop, San Francisco, CA  
 Gordon Conference - Sensory Transduction, Ventura, CA  
 Department of Clinical Immunology, Johns Hopkins University-Bayview  
 NIH National Institute of Allergy and Infectious Diseases, Bethesda, MD  
 Keystone Symposium on Cellular Motility and Signaling, Taos, New Mexico  
 Distinguished Speaker Series, University of North Carolina-Chapel Hill  
 Dept. of Cell & Dev. Bio., University of Pennsylvania, Philadelphia, PA  
 Physiology Course, Marine Biological Laboratory, Wood's Hole, MA  
 Annual Meeting for the Society for Cell Biology, San Francisco, CA
- 2003    Keystone Symposium on Chemokines and Chemokine Receptors, Breckenridge, CO  
 Gordon Conference on Molecular Pharmacology, Ventura, CA  
 Keystone Symposium on Dynamics of Cellular Organization, Taos, NM  
 Center for Developmental Biology Symposium, Kobe, Japan  
 EMBL Workshop on Mechanisms of Cell Migration, Heidelberg, Germany  
 Discovery Seminar Series, University of Dundee, Scotland, UK  
 62nd Annual Meeting of Society for Developmental Biology, Boston, MA  
 CMB Distinguished Seminar Program, University of Alabama, Birmingham, AL  
 MCDB Department Seminar Series, University of Texas at Austin, Austin, TX  
 Cell Dynamics Distinguished Seminar Program, Univ. Mass. Med., Worcester, MA  
 Division of Signal Transduction Seminar Series, Harvard University, Boston, MA  
 GDB Seminar Series, University of Farmington Health Ctr., Farmington, CT  
 1st Annual National Academies Keck Futures Initiative Conference, Irvine, CA
- 2004    1st International PTEN Meeting, Scottsdale, AZ  
 Department of Pharmacology Seminar, Columbia University, NY, NY

- Developmental Biology Seminar, Memorial Sloan Kettering Cancer Center, NY, NY  
 Plenary Lecture - USGEB 2004 Conference, Fribourg, Switzerland  
 Cologne Spring Meeting 2004, Cologne, Germany  
 Cell Migration Consortium, Herndon, VA  
 IUBMB/ASBMB 2004, Boston, MA  
 Plenary Lecture - 12th International Conference on Second Messengers & Phosphoproteins,  
 Montreal, Canada  
 International Dictyostelium Conference, Quebec, Canada  
 Symposium of the Society of General Physiologists, Woods Hole, MA
- 2005 Keynote Speaker - 3rd TLL Life Sciences Symposium, Singapore  
 Gordon Conference on "Gradient Sensing and Directed Cell Migration," Ventura, CA,  
 Chair and Founder  
 Dept. of Pharmacology and Cancer Biology Seminar, Duke University, Durham, NC  
 Plenary Lecture, Keystone Symposia, Snowbird, UT  
 Department of Embryology Seminar, Carnegie Institution of Washington, Baltimore, MD  
 University of Birmingham, School of Biosciences, Birmingham, U.K.  
 60th Annual Harden Conference, Ambleside, U.K.  
 Department of Cell Biology, University of Virginia, Charlottesville, VA  
 Department of Molecular Biology, Princeton University, Princeton, NJ
- 2006 Gordon Conference on "Sensory Transduction in Microorganisms," Ventura, CA  
 2nd International PTEN Mtg., Cold Spring Harbor, Long Island, NY  
 Emory University BCDB Graduate Program Symposium, Emory Univ., Atlanta, GA  
 EMBL Workshop, Heidelberg, Germany  
 G-Protein Signaling Workshop, Thomas Jefferson University, Philadelphia, PA  
 Danny Thomas Lectureship, St. Jude Children's Research Hospital, Memphis, TN  
 Santa Cruz Developmental Biology Conference, Santa Cruz, CA  
 60th Annual Meeting of Society of General Physiologists, Woods Hole, MA  
 Robert E. Davies Lecture, 15th Annual Retreat and Symposium, University of Pennsylvania,  
 Philadelphia, PA  
 Keynote Speaker, 7th Annual Great Lakes GPCR, Detroit, MI
- 2007 Gordon Conference on "Gradient Sensing and Directed Cell Migration," Ventura, CA  
 Biophysical Society 57th Annual Meeting on "Molecular Mechanisms of Cell Migration,  
 Baltimore, MD  
 Department of Molecular Biology and Genetics, Cornell University, Ithaca, NY  
 Department of Materials Science & Engineering, Johns Hopkins University, Baltimore, MD  
 Keynote Speaker, Gordon Conference on "Fibronectins, Integrins & Related Molecules," Il  
 Ciocco, Italy  
 Gordon Conference on "Phagocytes," New London, CT  
 Keynote Speaker, Gordon Conference on "Phosphorylation and G-Protein Signaling  
 Networks, Biddeford, ME  
 Janelia Farms "Inositide Signaling Symposium," Ashburn, VA
- 2008 Keystone Symposia on Cell Migration in Invasion & Inflammation, Taos, NM  
 IMA Workshop "Organization of Biological Networks, University of Minnesota, MN  
 97th International Titisee Conference, Titisee, Germany



- University of Chicago Cell Physiology Seminar, Chicago, IL  
 TOR Conference - Fondation des Treilles, Nice, France  
 Cell Migration Consortium on "Frontiers in Cell Migration: from Mechanism to Disease,  
 Bethesda, MD
- 2009 Carnegie Institute of Washington Seminar, Baltimore, MD  
 Gordon Conference on "Gradient Sensing and Directed Cell Migration," Galveston, TX  
 ASBMB 2009 Annual Meeting, New Orleans, LA  
 IUBMB International Congress, Shanghai, China  
 Annual Cell Migration Consortium, Bethesda, MD  
 International Conference on Cell & Tissue Polarity, Paris, France
- 2010 Stanford University Seminar, Palo Alto, CA  
 STIM Gordon Conference, Ventura, CA  
 3rd Singapore Lipid Symposium, Singapore  
 Cold Spring Harbor Laboratories PTEN Pathways and Targets, Cold Spring Harbor, NY  
 Keynote Speaker, Cold Spring Harbor Symposium Axon Guidance, Cold Spring Harbor, NY
- 2011 University of Illinois seminar, Dept. of Cell & Developmental Biology, Urbana, IL.  
 Frontiers in Cell Migration and Mechanotransduction Conference, NIH, Bethesda, MD  
 Gordon Conference on "Gradient Sensing and Directed Cell Migration," Switzerland  
 Gordon Conference on "Phagocytes," Davidson, NC  
 Gordon Conference on "Mechanisms of Cell Signalling," Lewiston, ME  
 Annual *Dictyostelium* Conference, Co-organizer, Baltimore, MD  
 Dartmouth Medical School Seminar, Dept. of Physiology, Lebanon, NH  
 Johns Hopkins University School of Med. Seminar, Dept. of Immunology, Balto., MD
- 2012 Plenary Speaker, Workshop on Cell Signaling and Cytoskeleton in Directed Cell Migration,  
 Vanderbilt University, Nashville, TN
- 2013 Keynote Speaker, Gordon Research Conference on "Directed Cell Migration," Galveston,  
 TX  
 Seminar Series, Institute of Genetic Medicine, Johns Hopkins University SOM  
 EMBO Spatial 2013 Conference on "Gradient Sensing and Directed Cell Migration," Israel  
 Annual *Dictyostelium* Conference, North Carolina
- 2014 FASEB Science Research Conference on "Phospholipid Cell Signaling & Metabolism in  
 Inflammation & Cancer," Niagara Falls, NY  
 Cell & Developmental Biology Seminar Series, Perelman School of Medicine, University of  
 Pennsylvania, Philadelphia, PA  
 Developmental Genetics Symposium, New York University, New York, NY
- 2015 Gordon Research Conference on "Directed Cell Migration," Galveston, TX  
 Plenary Speaker on "Signal Transduction and Trafficking," International Meeting of the  
 German Society for Cell Biology (DGZ), Cologne, Germany  
 Presenter, Seminar Series of the Biophysics Training Program at UNC, Chapel Hill

- 2016    Frontiers in Chemistry Seminar, Dept. of Chemistry and Biochemistry Colloquium Series,  
           University of Toledo, Toledo, OH  
           Endowed Chairs Seminar Series, Snyder Institute for Chronic Diseases, University of  
           Calgary, Calgary, AB, Canada  
           NIH Twinbrook Seminar Series, Rockville, MD  
           FASEB Science Research Conference on “Phospholipid Signaling in Cancer,  
           Neurodegeneration and Cardiovascular Disease,” Steamboat Springs, CO
- 2017    Gordon Research Conference on “Directed Cell Migration,” Galveston, TX

## PUBLICATIONS

1.    Fambrough, D.M. and Devreotes, P.N. 1975. Synthesis and degradation of acetylcholine receptors in cultured chick skeletal muscle. In: *Exploratory Concepts in Muscular dystrophy II*. (A.T. Milhorat, ed.) Excerpta Medica, Amsterdam, pp. 55-67.
2.    Devreotes, P.N. and Fambrough, D.M. 1975. Acetylcholine receptor turnover in membranes of developing muscle fibers. *J. Cell Biol.* 65, 335-358.
3.    Devreotes, P.N. and Fambrough, D.M. 1976. Turnover of acetylcholine receptors in skeletal muscle. In: *Cold Spring Harbor Symposium on Quantitative Biology XL*, 40, 237-251.
4.    Fambrough, D.M. and Devreotes, P.N. 1976. Development of chemical excitability in skeletal muscle. In: *Biogenesis and Turnover of Membrane Molecules* (J. Cook, ed.) Raven Press, NY.
5.    Devreotes, P.N. and Fambrough, D.M. 1976. Synthesis of acetylcholine receptors by cultured chick myotubes and denervated mouse extensor longus digitorum muscles. *Proc. Natl. Acad. Sci., USA* 73, 161-164.
6.    Devreotes, P.N. 1977. Acetylcholine. In: *McGraw-Hill Encyclopedia of Science and Technology* (D. Lapidus, ed.).
7.    Fambrough, D.M., Devreotes, P.N. and Card, D.J. 1977. The synthesis and degradation of acetylcholine receptors. In: *The Synapse* (G.A. Cottrell, ed.) Blackie & Sons Ltd., Glasgow, pp. 203-237
8.    Fambrough, D.M. Devreotes, P.N., Card, D.J., Gardner, J. and Tepperman, K. 1977. Metabolism of acetylcholine receptors in skeletal muscle. *National Cancer Institute Monograph* 48, 277-294.
9.    Devreotes, P.N. Card, D.J., Tepperman, K.G. and Fambrough, D.M. 1977. Studies on the metabolism of acetylcholine receptors in skeletal muscles. In: *Exploratory Concepts in Muscular Dystrophy III* (I.P. Rowland, ed.).
10.    Devreotes, P.N., Gardner, J. and Fambrough, D.M. 1977. Kinetics of biosynthesis of acetylcholine receptors and subsequent incorporation into plasma membranes of cultured skeletal muscle. *Cell* 10, 365-373.

11. Fambrough, D.M. and Devreotes, P.N. 1978. Newly synthesized acetylcholine receptors are located in the Golgi. *J. Cell Biol.* 76, 237-244.
12. Fambrough, D.M., Devreotes, P.N., Gardner, J.M. and Card, D.J. 1979. The life history of acetylcholine receptors. In: *Progress in Brain Research (The Cholinergic Synapse)* (S. Tucek, ed.) 49, 325-334.
13. Devreotes, P.N. 1976. Biosynthesis and degradation of acetylcholine receptors in developing embryonic myotubes. Ph.D. Thesis, Johns Hopkins University.
14. Fambrough, D.M., Card-Linden, D., Devreotes, P.N., Gardner, J.M. and Rotundo, R.L. 1979. On the regulation of the number and distribution of acetylcholine receptors in skeletal muscle. In: *Nerve Cells, Transmitters and Behavior* (R. Levi-Motaleni and C. Chagas, eds.) Elsevier Press.
15. Devreotes, P.N., Derstine, P.L. and Steck, T.L. 1979. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. I. A technique to monitor responses to controlled stimuli. *J. Cell Biol.* 80, 291-299.
16. Devreotes, P. and Steck, T. 1979. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. II. Requirements for the initiation and termination of the response. *J. Cell Biol.* 80, 300-309.
17. Dinauer, M.C., Mackay, S.A. and Devreotes, P.N. 1980. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. III. The relationship of cAMP synthesis and secretion during the cAMP signaling response. *J. Cell Biol.* 86, 537-544.
18. Dinauer, M.C., Steck, T.L. and Devreotes, P.N. 1980. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. IV. Recovery of the cAMP signaling response after adaptation to cAMP. *J. Cell Biol.* 86, 545-553.
19. Dinauer, M.C., Steck, T.L. and Devreotes, P.N. 1980. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. V. Adaptation of the cAMP signaling response during cAMP stimulation. *J. Cell Biol.* 86, 554-561.
20. Tomchik, K.J. and Devreotes, P.N. 1981. Cyclic AMP waves in *Dictyostelium discoideum*: A demonstration by isotope dilution fluorography. *Science* 212, 443-446. (COVER)
21. Devreotes, P.N. 1982. Chemotaxis. In: *The Development of Dictyostelium discoideum* (W.F. Loomis, ed.) Academic Press, San Diego, Chap. 4, pp. 117-168.
22. Devreotes, P.N. 1983. Cyclic nucleotides and cell-cell communication in *Dictyostelium discoideum*. *Advances in Cyclic Nucleotide Research*, Vol. 15, pp. 55-96.
23. Devreotes, P.N. 1983. The effect of folic acid on cAMP elicited cAMP production in *Dictyostelium discoideum*. *Develop. Biol.* 95, 154-162.
24. Devreotes, P.N., Potel, M.J. and Mackay, S. 1983. Quantitative analysis of cAMP waves mediating aggregation in *Dictyostelium discoideum*. *Develop. Biol.* 96, 405-415.
25. Theibert, A. and Devreotes, P.N. 1983. Cyclic 3',5'-AMP relay in *Dictyostelium discoideum*. VI. Adaptation is independent of activation of adenylate cyclase. *J. Cell Biol.* 97, 173-177.

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27. Theibert, A. and Devreotes, P. 1984. Adenosine and its derivatives inhibit the cyclic AMP signaling response in Dictyostelium. *Develop. Biol.* 106, 166-173.
28. Theibert, A., Klein, P. and Devreotes, P. 1984. Specific photoaffinity labeling of the cAMP surface receptor in Dictyostelium. *J. Biol. Chem.* 259, 12318-12321.
29. Fontana, D., Wong, T-Y., Theibert, A. and Devreotes, P. 1984. Cell-cell interactions in the development of Dictyostelium. In: *The Cell Surface in Development and Cancer* (M.S. Steinberg, ed.) Plenum.
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33. Klein, P., Fontana, D., Knox, B., Theibert, A., and Devreotes, P. 1985. Cyclic AMP receptors controlling cell-cell interactions in the development of Dictyostelium. In: *Molecular Biology of Development, Cold Spring Harbor Symposium on Quantitative Biology, Vol. 50*, pp. 787-799.
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48. Berlot, C.H., Devreotes, P.N. and Spudich, J.A. 1988. Role of myosin phosphorylation in *Dictyostelium* chemotaxis. In: *Signal Transduction in Cytoplasmic Organization and Cell Motility* (Proceedings UCLA Conference, Lake Tahoe, CA) Alan R. Liss, Inc., pp. 287-292.
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