

SOME HIGHLIGHTS
of the
**Graduate Program in Physiology &
Neurobiology**
**Rutgers University/University of Medicine and Dentistry of
New Jersey-Robert Wood Johnson Medical School**
1990 - 2003

Doctoral degrees awarded
&
Selected students' and faculty members' achievements and selected (mostly
recent) publications

1990	<p>Ira B. Black assumed directorship of the GRADUATE PROGRAM IN PHYSIOLOGY & NEUROBIOLOGY</p> <p>PH.D.: <i>Hwu-Meei Wei</i> (Advisor: Merrill) Postdoctoral position, RWJMS</p>
1991	<p>PH.D.: <i>Walid Al-Ghoul</i> (Advisor: Miller) Postdoctoral positions, University of North Carolina, Northwestern University</p> <p><i>Michael Bauman</i> (Advisor: Rabii) Senior Research Scientist, Clinical Pharmacology Section, NIDA</p> <p><i>Peter Patrylo</i> (Advisor: Nowakowski) Postdoctoral positions, UCLA, Yale University; Faculty member, Southern Illinois University School of Medicine</p>
1992	<p>Ira B. Black President, Society for Neuroscience (1992-1993)</p> <p>Ira B. Black Victor Hamburger awardee</p> <p>PH.D.: <i>Richard Leone</i> (Advisor: Merrill) MD/PhD Cardiothoracic surgery</p> <p><i>Vanya Quinones-Jenab</i> (Advisor: Geller) Postdoctoral position, Rockefeller University; Faculty member, Hunter College</p> <p><i>Gail Thomas</i> (Advisor: Zambraski) Postdoctoral and faculty positions, Southwestern Medical Center, Dallas, Texas</p>
1993	<p>Cory Abate-Shen National Science Foundation Young Investigator Award (1993-1998)</p> <p>Ira B. Black New Jersey Pride Award in Science</p>
1994	<p>PH.D.: <i>Darlene Foschini-Feld</i> (Advisor: Egger) Postdoctoral position, Bristol-Myers Squibb; Employed by Health Science Communications, Inc.</p> <p><i>Sandra Hayes-Letrica</i> (Advisors: Riley/Fagan) Postdoctoral position, Tufts University; Employed by Johnson & Johnson</p> <p><i>Tae Wan Kim</i> (Advisor: Wu) Postdoctoral position, Massachusetts General Hospital, Harvard University; Faculty member, Columbia University</p> <p><i>John Rutter</i> (Advisor: Auerbach) Postdoctoral position, Hahnemann University; Faculty member, Truman State University, Missouri</p>

1995	<p>PH.D.: <i>Xiaoqing Guo</i> (Advisor: Kedem) Postdoctoral position, Emory University <i>Beth-Anne Sieber</i> (Advisor: Dreyfus) Postdoctoral position, Karolinska Institute, Stockholm, Sweden; Chief of Program Development, Neurobiology Program, NIMH</p>
1996	<p><i>P.P. Gao</i>, J.H. Zhang, M. Yokoyama, B. Racey, C.F. Dreyfus, I.B. Black & R. Zhou, <i>Proc. Natl. Acad. Sci. USA</i> (1996) 93:11161-11165 S.C. Hsu, A.E. Ting, C.D. Hazuka, S. Davanger, J.W. Kenney, Y. Kee & R.H. Scheller, <i>Neuron</i> (1996) 17:1209-1219</p> <p>PH.D.: <i>Li Cai</i> (Advisor: Nowakowski) Postdoctoral position, Harvard University; Employed, Dana-Farber Cancer Institute, Harvard University <i>Nairu Lu</i> (Advisor: DiCicco-Bloom) Postdoctoral position, Memorial Sloan Kettering, New York City <i>Judith Matray-Devoti</i> (Advisor: Wagner) Employed, Bristol-Myers Squibb <i>Nancy McHugh</i> (Advisor: Merrill) Employed, Schering Plough Corporation <i>Cathy Peterson</i> (Advisor: West) Faculty member, Wittenberg University, Springfield, OH <i>Piin-Chau Suen</i> (Advisor: Wu) Industrial employment, R.O.C. <i>Yong Tao</i> (Advisor: DiCicco-Bloom) MD/PhD Pathology Resident, Hahnemann Medical College <i>Anthony Uzwiak</i> (Advisor: West) Faculty member, Villanova University <i>Evan Wolf</i> (Advisor: DiCicco-Bloom) MD/PhD Ophthalmology</p>
1997	<p>Ira B. Black Rita Levi Montalcini Lecturer, Università Di Torino, Italy</p> <p><i>R.C. Burrows</i>, D. Wancio, P. Levitt & L. Lillien, <i>Neuron</i> (1997) 19:251-267 <i>L. Cai</i>, N.L. Hayes & R.S. Nowakowski, <i>Journal of Neuroscience</i> (1997) 17:2079-2087; 2088-2100 <i>N. Lu</i> & E. DiCicco-Bloom, <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:3357-3362 <i>P.C. Suen</i>, K. Wu, E.S. Levine, H.T. Mount, J.L. Xu, S.Y. Lin & I.B. Black, <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:8191-8195</p> <p>PH.D.: <i>Robert Burrows</i> (Advisor: Levitt) Research Scientist, Dermatology, University of Washington <i>Panpan Gao</i> (Advisor: Zhou) Postdoctoral position, Stanford University; Law degree, University of California, Santa Clara, CA <i>Chrisana Gundlah</i> (Advisor: Auerbach) Postdoctoral position, Primate Research Center, Portland OR; Principal Scientist, Synaptic Pharmaceutical Corporation, Paramus, NJ <i>Scott Sample</i> (Advisor: Dreyfus) Biotech Patent Attorney, Dallas, TX <i>Helen Vogl</i> (Advisor: Zambraski) Postdoctoral position, veterinary biomedical sciences, University of Missouri <i>Hai Wu</i> (Advisor: Dreyfus) Employed, McKinsey & Co. (Consulting firm) <i>Sue Zhong</i> (Advisor: Wu) Postdoctoral position, Sloan Kettering, New York City; MBA degree, University of Chicago <i>Yanxin Zhu</i> (Advisor: Pintar) Employed, Novartis</p>

1998	<p>Ira B. Black Arthur H Briggs Lecturer, University of Texas Nancy Hayes & Richard Nowakowski, first American mice in space (NASA Neurolab) Li Cai (Advisor: Nowakowski) Dissertation Award, National Association of Graduate Schools Emilio Mazza, Jr. (Advisor: Neubauer) Rutgers University Award for Excellence in Graduate Research</p> <p><i>M.H. Bauman</i>, M.A. Ayestas & R.B. Rothman, <i>Journal of Neuroscience</i> (1998) 18:9069-9077 V. Castellani, Y. Yue, P.P. Gao, R. Zhou & J. Bolz, <i>Journal of Neuroscience</i> (1998) 18:4663-4672 P.P. Gao, Y. Yue, J.H. Zhang, D.P. Cerretti, P. Levitt & R. Zhou <i>Proc. Natl. Acad. Sci. USA</i> (1998) 95:5329-5334 S.C. Hsu, C.D. Hazuka, R. Roth, D.L. Foletti, J. Heuser & R.H. Scheller, <i>Neuron</i> (1998): 20:1111-1122 Y. Zhu, M.S. Hsu & J.E. Pintar, <i>Journal of Neuroscience</i> (1998) 18:2538-2549</p> <p>PH.D.: Adria Colletti (Advisor: Zambraski) Senior Research Biochemist, Drug Metabolism Department, Merck Siang-Yo Lin (Advisor: Wu) Research Scientists, Cancer Institute of New Jersey Monica Varia-Mody (Advisor: Dreyfus) Postdoctoral position, Princeton University; Field Scientist, Affymetrix, Inc. Jiwen Zhang (Advisor: Pintar) Postdoctoral position, Bristol-Myers Squibb; Manager, International Regulatory Affairs, Merck</p>
1999	<p>Cory Abate-Shen Scientific Director, Dean and Betty Gallo Prostate Cancer Center Panpan Gao (Advisor: Zhou) Rutgers University's nominee for national dissertation award</p> <p>P.P. Gao, Y. Yue, D.P. Cerretti, C. Dreyfus & R. Zhou, <i>Proc. Natl. Acad. Sci. USA</i> (1999) 96:4073-4077 Y. Zhu, M.A. King, A.G. Schuller, J.F. Nitsche, M. Reidl, R.P. Elde, E. Unterwald, G.W. Pasternak & J.E. Pintar, <i>Neuron</i> (1999) 24:243-252</p> <p>PH.D.: Xudong Dai (Advisor: Dreyfus) Research Scientist, Johnson & Johnson, Seattle, WA Susan (Degelman) Hanak (Advisor: Auerbach) Employed, Aventis Pharmaceuticals, Inc. Emilio Mazza, Jr. (Advisor: Neubauer) MD/PhD Internal Medicine, Clinical Investigator Program, University of Pennsylvania</p>

2000

M. David Egger R. W. Wood Prize, Optical Society of America (for “seminal contributions to confocal microscopy”)

Seonhee Kim (Advisor: **Wadsworth**) Helen Hay Whitney Postdoctoral Fellowship at Harvard University

K. Bae, C. Lee, P.E. Hardin & **I. Edery**, *Journal of Neuroscience* (2000) **20**:1746-1753

M. Driscoll & N. Tavernarakis, *Nature Neuroscience* (2000) **3**:7-9

A.E. El-Husseini, J.R., Topinka, J.E. Lehrer-Graiwer, **B.L. Firestein**, S.E. Craven, C. Aoki & D.S. Bredt, *Journal of Biological Chemistry* (2000) **275**:23904-23910

J.J. Gentry, **P. Casaccia-Bonnel** & B.D. Carter, *Journal of Biological Chemistry* (2000) **275**:7558-7565

T.F. Haydar, **R.S. Nowakowski**, P.J. Yarowsky and B.K. Krueger, *Journal of Neuroscience* (2000) **20**:4156-4164

S. Kim & **W.G. Wadsworth**, *Science* (2000) **288**:150-154

W.K. Kim, Y. Kan, D. Ganea, **R.P. Hart**, I. Gozes & G.M. Jonakait, *Journal of Neuroscience* (2000) **20**:3622-3630

J.H. Millonig, K.J. Millen & M.E. Hatten, *Nature* (2000) **403**:764-769

Z. Pan, D. Damron, A.L. Nieminen, M.B. Bhat & **J. Ma**, *Journal of Biological Chemistry* (2000) **275**:19978-19984

D.S. Park, E.J. Morris, R. Bremner, E. Keramaris, J. Padmanabhan, M. Rosenbaum, M.L. Shelanski, **H.M. Geller** & L.A. Greene, *Journal of Neuroscience* (2000) **20**:3104-3114

A.F. Schier & **M.M. Shen**, *Nature* (2000) **403**:385-389

N. Selvamurugan, M.R. Pulumati, D.R. Tyson & **N.C. Partridge**, *Journal of Biological Chemistry* (2000) **275**:5037-5042

J. Schjött & **M. Plummer**, *Journal of Neuroscience* (2000) **20**:4786-4797

S.K. Winchester, N. Selvamurugan, R.C. D’Alonzo & **N.C. Partridge**, *Journal of Biological Chemistry* (2000) **275**:23310-23318

J.Q. Zheng, *Nature* (2000) **403**:89-93

PH.D.: Tonio Fabbriatore (Advisor: **West**) Postdoctoral position, Rutgers University

Seonhee Kim (Advisor: **Wadsworth**) Postdoctoral position, Harvard University

Judith Lackland (Advisor: **Dreyfus**) Head, Medical Writing Group, Aventis Pharmaceuticals, Inc.

Rui Tao (Advisor: **Auerbach**) Research Assistant Professor, Department of Psychiatry, Harvard University; Assistant Professor (tenure track), Department of Pharmacology, Florida Atlantic University Medical School, Boca Raton, FL

Friederike Wirtz-Brugger (Advisor: **Auerbach**) Employed, Aventis Pharmaceuticals, Inc.

Tanya Zaremba (Advisor: **Dreyfus**) MD/PhD Resident, Yale Medical School

2001

Patrizia Casaccia-Bonnelil New Jersey Cancer Research Award for Scientific Excellence
Cheryl Dreyfus PhRMA Foundation Award for Excellence in Pharmacology-Morphology
Nancy Stevenson Master Educator Guild, UMDNJ

R.G. Allen, B. Peng, M.J. Pellegrino, E.D. Miller, D.K. Grandy, J.R. Lundblad, C.L. Washburn & **J.E. Pintar**, *Journal of Neuroscience* (2001) **21**:5864-5870

A. Cahana, T. Escamez, **R.S. Nowakowski**, **N.L. Hayes**, M. Giacobini, A. von Holst, O. Shmueli, T. Sapir, S.K. McConnell, W. Wurst, S. Martinez & O. Reiner, *Proc. Natl. Acad. Sci. USA* (2001) **98**:6429-6434

J.E. Chipuk, M. Bhat, A.Y. Hsing, **J. Ma** & D. Danielpour, *Journal of Biological Chemistry* (2001) **276**:26614-26621

M.A. King, S. Bradshaw, A.H. Chang, **J.E. Pintar** & G.W. Pasternak, *Journal of Neuroscience* (2001) **21**:7788-7792

M. Koppen, J.S. Simske, P.A. Sims, **B.L. Firestein**, D.H. Hall, A.D. Radice, **C. Rongo** & J.D. Hardin, *Nature Cell Biology* (2001) **3**:983-991

A. Nicot & **E. DiCicco-Bloom**, *Proc. Natl. Acad. Sci. USA* (2001) **98**:4758-4763

Z. Pan, M.B. Bhat, A.L. Nieminen & **J. Ma**, *Journal of Biological Chemistry* (2001) **276**:32257-32263

A. Ragnauth, A. Schuller, M. Morgan, J. Chan, S. Ogawa, **J. Pintar**, R.J. Bodnar & D.W. Pfaff, *Proc. Natl. Acad. Sci. USA* (2001) **98**:1958-1963

G.M. Riefler & **B.L. Firestein**, *Journal of Biological Chemistry* (2001) **276**:48262-48268

J. Suh, **N. Lu**, A. Nicot & **E. DiCicco-Bloom**, *Nature Neuroscience* (2001) **4**:123-124

S. Thakker-Varia, J. Alder, R.A. Crozier, **M.R. Plummer** & **I.B. Black**, *Journal of Neuroscience* (2001) **21**:6782-6790

A. Xu & **K.Y. Chen**, *Journal of Biological Chemistry* (2001) **276**:2555-2561

K. Xu, N. Tavernarakis & **M. Driscoll**, *Neuron* (2001) **31**:957-971

D. Yang, Z. Pan, H. Takeshima, C. Wu, R.Y. Nagaraj, **J. Ma** & H. Cheng, *Journal of Biological Chemistry* (2001) **276**:40210-40214

I.E. Vega & **S.C. Hsu**, *Journal of Neuroscience* (2001) **21**:3839-3848

PH.D.: **Crista Adamson** (Advisor: **Davis**) Postdoctoral position, Rutgers University Center for Collaborative Neuroscience

Yinghong Cheng (Advisor: **DiCicco-Bloom**) Biostatistician, Health Network America

Yan Lin (Advisor: **Weiss**) Director of Biostatistics, Health Network America

Wang Lu (Advisor: **Nowakowski**) Research Scientist, Medtronic-Minimed, Northridge, CA

Patrick O'Connor (Advisor: **Merrill**) DO/PhD Radiology

Jessica Schjött (Advisor: **Plummer**) Staff member, Department of Cell Biology & Neuroscience, Rutgers University

Ann Marie Sczcepanik (Advisor: **Egger**) Employed, Aventis Pharmaceuticals, Inc.

Qun Wang (Advisor: **Wadsworth**) Postdoctoral position, Cold Spring Harbor Laboratory

- C.L. Adamson**, M.A. Reid & **R.L. Davis**, *Journal of Neuroscience* (2002) **22**:1385-1396
M.B. Bhat & **J. Ma**, *Journal of Biological Chemistry* (2002) **277**:8597-8601
K.B. Buck & **J.Q. Zheng**, *Journal of Neuroscience* (2002) **22**:9358-9367
R.G. Carey, B. Li & **E. DiCicco-Bloom**, *Journal of Neuroscience* (2002) **22**:1583-1591
R.C. D'Alonzo, A.J. Kowalski, D.T. Denhardt, G.A. Nickols & **N.C. Partridge**, *Journal of Biological Chemistry* (2002) **277**:24788-24798
F. Doetsch, J.M. Verdugo, I. Caille, A. Alvarez-Buylla, M.V. Chao & **P. Casaccia-Bonnel**, *Journal of Neuroscience* (2002) **22**:2255-2264
M.D. Hayward, **J.E. Pintar** & M.J. Low, *Journal of Neuroscience* (2002) **22**:8251-8258
M.J. Kim, R.D. Cardiff, N. Desai, W.A. Banach-Petrosky, R. Parsons, **M.M. Shen** & **C. Abate-Shen**, *Proc. Natl. Acad. Sci. USA* (2002) **99**:2884-2889
E.Y. Kim, K. Bae, F.S. Ng, N.R. Glossop, P.E. Hardin & **I. Edery**, *Neuron* (2002) **34**:69-81
H.W. Ko, J. Jiang & **I. Edery**, *Nature* (2002) **420**:673-678
V. Laurent, A. Kimble, B. Peng, P. Zhu, **J.E. Pintar**, D.F. Steiner & I. Lindberg, *Proc. Natl. Acad. Sci. USA* (2002) **99**:3087-3092
Y.S. Lim & **W.G. Wadsworth**, *Journal of Neuroscience* (2002) **22**:7080-7087
M. Marin-Husstege, M. Muggironi, A. Liu & **P. Casaccia-Bonnel**, *Journal of Neuroscience* (2002) **22**:10333-10345
A. Nicot, V. Lelièvre, J. Tam, J.A. Waschek and **E. DiCicco-Bloom**, *Journal of Neuroscience* (2002) **22**:9244-9254
J.F. Nitsche, A.G. Schuller, M.A. King, M. Zengh, G.W. Pasternak & **J.E. Pintar**, *Journal of Neuroscience* (2002) **22**:10906-10913
K. Paul-Pletzer, T. Yamamoto, M.B. Bhat, **J. Ma**, N. Ikemoto, L.S. Jimenez, H. Morimoto, P.G. Williams & J. Parness, *Journal of Biological Chemistry* (2002) **277**:34918-34923
R.A. Rachel, G. Dolen, **N.L. Hayes**, A. Lu, L. Erskine, **R.S. Nowakowski** & C.A. Mason, *Journal of Neuroscience* (2002) **22**:4249-4263
Q. Wang & **W.G. Wadsworth**, *Journal of Neuroscience* (2002) **22**:2274-2282
J. Xie, L.M. Adams, J. Zhao, T.A. Gerken, P.B. Davis & **J. Ma**, *Journal of Biological Chemistry* (2002) **277**:23019-23027
Y. Yue, Z.Y. Chen, N.W. Gale, J. Blair-Flynn, T.J. Hu, X. Yue, **M. Cooper**, **D.P. Crockett**, G.D. Yancopoulos, L. Tessarollo & **R. Zhou**, *Proc. Natl. Acad. Sci. USA* (2002) **99**:10777-10782
C. Zimmerman, K.C. Klein, P.K. Kiser, A.R. Singh, **B.L. Firestein**, S.C. Riba & J.R. Lingappa, *Nature* (2002) **415**:88-92

PH.D.: **Zhi-Yong Cheng** (Advisor: **Zhou**)

Traci Czyzyk (Advisor: **Pintar**) Postdoctoral position, RWJMS

Joshua Nitsche (Advisor: **Pintar**) MD/PhD

Junghyup Suh (Advisor: **DiCicco-Bloom**) Postdoctoral position, Picower Center for Learning & Memory, Massachusetts Institute of Technology

Xu Wang (Advisor: **Kedem**) Postdoctoral position, RWJMS

2003	<p>Nancy Hayes & Richard Nowakowski G. Raviola Memorial Lecture, Boston University Hongxing (Simon) Gui (Advisor: Matise) Poster Award, Society for Developmental Biology Mid-Atlantic Regional Meeting, University of Pennsylvania</p> <p>B. Akten, E. Jauch, G.K. Genova, E.Y. Kim, I. Edery, T. Raabe & F.R. Jackson, <i>Nature Neuroscience</i> (2003) 4:251-257</p> <p>M.R. Bennett, T.A. Rizvi, S. Karyala, R.D. McKinnon & N. Ratner, <i>Journal of Neuroscience</i> (2003) 23:7207-7217</p> <p>X. Dai, L.D. Lercher, P.M. Clinton, Y. Du, D.L. Livingston, C. Vieira, L. Yang, M.M. Shen & C.F. Dreyfus, <i>Journal of Neuroscience</i> (2003) 23:5846-5853</p> <p>U.E. Ghitza, A.T. Fabbriatore, V. Prokopenko, A.P. Pawlak & M.O. West, <i>Journal of Neuroscience</i> (2003) 23:7239-7245</p> <p>C. Guirland, K.B. Buck, J.A. Gibney, E. DiCicco-Bloom & J.Q. Zheng, <i>Journal of Neuroscience</i> (2003) 23:2274-2283</p> <p>L. Qin, P. Qiu, L. Wang, X. Li, J.T. Swarthout, P. Soteropoulos, P. Tolia & N.C. Partridge, <i>Journal of Biological Chemistry</i> (2003) 278:19732-19731</p> <p>M.L. Ruehr, M.A. Russell, D.G. Ferguson, M. Bhat, J. Ma, D.S. Damron, J.D. Scott & M. Bond, <i>Journal of Biological Chemistry</i> (2003) 278:24831-24836</p> <p>S. Yoshikawa, R.D. McKinnon, M. Kokel & J.B. Thomas, <i>Nature</i> (2003) 422:583-588</p> <p>PH.D.: Jason Carmel (Advisor: Hart) MD/PhD</p>
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July 1, 2003:
Graduate Program in Physiology & Neurobiology divided into two graduate programs: **PHYSIOLOGY & INTEGRATIVE BIOLOGY**
and
NEUROSCIENCE