

Curriculum Vitae

John D. Griffin, Ph.D.

July 22nd, 2020

CONTACT INFORMATION:

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CURRENT POSITIONS:

**Senior Associate Provost and Dean of Undergraduate Studies
Professor of Biology, Clemson University**

PERSONAL NARRATIVE:

John serves as the Senior Associate Provost and Dean of Undergraduate Studies at Clemson University, one of the nation's top public land-grant institutions. As a member of Clemson's leadership team, John played a primary role in the development and implementation of the ClemsonForward strategic plan and is currently leading several key initiatives focused on student success and innovation. In response to the COVID-19 Pandemic, John provided key leadership in moving Clemson's academic program online and is now directing the task force on curricular planning for the coming fall semester, while serving as a member of the University's Emergency Operations Team. Prior to his arrival at Clemson, John was a respected academic and administrative leader at William & Mary, a public liberal arts and sciences university that is considered the Alma Mater of the Nation and a Public Ivy. He served for nine years as the founding Director of the Neuroscience Program. This was followed by appointment as Dean of Undergraduate Studies, during which he helped lead the revision of the University's general education program and several other major initiatives. Over his sixteen years on the faculty at William & Mary, John also maintained an academic career as a respected neurophysiologist, receiving a million dollars in NSF & NIH funding to study the central neural mechanisms of thermoregulatory control. During that time, more than forty undergraduate and a dozen graduate students worked as part of his research team, co-authoring many of his scholarly publications. John received tenure and promotion to full professor while at William & Mary, was named the Class of 2012 Professor of Biology and Neuroscience, received the Plumeri Award for Faculty Excellence, and the Phi Beta Kappa Society's Faculty Award for Excellence in Teaching. John also completed a three-year postdoctoral fellowship at Harvard Medical School, while also serving as a teaching fellow at Harvard College. This was followed by three years as an Assistant Professor at Sacred Heart University. He received his B.S. in Biology from the University of North Carolina Wilmington and his M.S. & Ph.D. in Physiology from The Ohio State University.

EDUCATION:

Ph.D. Physiology The Ohio State University, September, 1993.
M.S. Physiology The Ohio State University, January, 1991.
B.S. Biology Univ. of North Carolina Wilmington. May, 1988.

ACADEMIC POSITIONS:

2020 – Present: Senior Associate Provost & Dean of Undergraduate Studies
Clemson University

2015 – Present: Professor of Biology, Clemson University

2015 – 2020: Associate Provost & Dean of Undergraduate Studies,
Clemson University

2012 – 2015: Dean of Undergraduate Studies, William & Mary

2011 – 2015: Professor of Biology & Neuroscience, William & Mary

2011 – 2012: Associate Dir., Program in Neuroscience, William & Mary

2002 – 2011: Director, Program in Neuroscience, William & Mary

2004 - 2011: Associate Professor, William & Mary

1999 - 2004: Assistant Professor, William & Mary

1996 - 1999: Assistant Professor, Sacred Heart University

1993 - 1996: Postdoctoral Research Fellow, Harvard Medical School

1993 - 1996: Teaching Fellow, Harvard University

PROFESSIONAL RECOGNITION:

Awards & Honors

2018 Induction into Phi Kappa Phi, Clemson University

2011: Plumeri Award for Faculty Excellence, William & Mary

2011: Phi Beta Kappa Award for Teaching Excellence, William & Mary

2009 - 2012: Class of 2012 Professor of Biology & Neuroscience,
William & Mary

1995: Certificate of Distinction in Teaching, Derek Bok Center for
Teaching and Learning & Office of the Dean for Undergraduate
Education, Teaching Fellow for *Introductory Neurobiology*,
Dept. of Cellular and Molecular Biology, Harvard University

- Development of a University Testing & Education Center
- Development of the Tigertown Summer Bound Program for new freshmen
- Development of Accelerated Undergraduate/Graduate Degree Programs
 - Internally with Clemson Graduate Programs
 - Externally with Graduate and Professional Programs at MUSC

External Focus:

- Annual Men of Color National Summit, Leadership Team Member
- ACE (American Council on Education)
 - National Task Force on Transfer of Credit
 - Pilot Transcript Study
- APLU (Association of Public Land-Grant Universities)
 - Powered by the Publics Initiative, Regional Team Leader
 - Commission on Information, Measurement & Analysis (Member)
- Tri-County Technical College, Arts & Sciences Advisory Board Member
- Education Advisory Board, Student Success Innovation Council Member
- ACC Academic Leadership Network, University Liaison
- ACC Accelerate Festival, Leadership Team Member
(American History Museum, Smithsonian Institute: Nov '17 & April '19)

• Reporting Units:

- Office of Undergraduate Studies
- Academic Success Center
- Bridge to Clemson & Transfer Programs
- Freshman Academic Programs
- Undergraduate Assessment Office
- Office of Teaching Effectiveness & Innovation
- Center for Career and Professional Development
- Rutland Institute for Ethics
- Student Accessibility Services
- Athletics Academic Services

**Dean of Undergraduate Studies, College of Arts & Sciences
William & Mary (2012 – Fall, 2015)**

- Responsible for Undergraduate Enrollment & Planning.

Students:	6,500
Majors:	40+ Degree Programs
- Served as the Chief Transfer Officer of the University. Responsible for transfer student initiatives and for the implementation of all statewide transfer and co-enrollment agreements.

- Contact Dean for Eleven Departments and Programs: Biology, Computer Sciences, Economics, Geology, Government, International Relations, Kinesiology & Health Sciences, Mathematics, Military Science, Public Policy, and Sociology.
Responsibilities included oversight with Chairs and Directors on managing budgets, personnel issues (tenure & promotion), the hiring of tenure eligible faculty, and regular external program reviews.
- Major Initiatives:
 - Revision of the General Education Curriculum.
 - Served on the Grand Challenge I Strategic Planning Committee.
 - Represented Arts and Sciences for select Development Initiatives.
 - Implementation of Digital Measures across Arts and Sciences.
 - Implementation of the data analytic software Argos.
 - Development of e-Learning Education Policies & Procedures.
 - Served on the 10 year SACS review committee, which includes the development of an updated Quality Enhancement Plan.
 - Implementation of Electronic Course Evaluations.
- Reporting Units: Office of Academic Advising.
- Enrollment Management: In coordination with the Office of Student Affairs, the Dean of Students, and the University Registrar, responsible for the planning and implementation of all orientation and registration sessions.
- Search Committee Service: Director of Academic Advising; Dean of Education Policy; Dean of Students; Vice President for Human Resources; Associate Provost for eLearning Initiatives.
- Committee Appointments: Committee on Degrees, Chair; Committee on Academic Status, Ex Officio; Instructional Technology Advisory Committee; Statewide Committee on Transfers; Campus Assessment and Intervention Team (Violence Prevention & Education)
- Dean's Office Liaison to: Registrar's Office; Student Affairs; Undergraduate Admissions

**University Service: Pre-Appointment as Dean of Undergraduate Studies,
William & Mary**

- Chair, Arts & Sciences Study Abroad Sub-Committee: Responsible for approval of all new Study Abroad Programs, selection of all Program Directors & Faculty, and the Development of a RFP for A&S Internationalization. (2011-12)
- Recreation Sports Assistant Director Search Committee (2012)
- International Advisory Council (June, 2010 – 2012)
- Borgnicht Advisory Board (2004 – 2014)

- Chair, Beckman Scholar's Committee (2011)
- Plumeri Award Committee (2011)
- Study Abroad Ad Hoc Committee (2010)
- Dean's Advisory Committee (2004 – 2010)
- Washington D.C. Alumni Conference with the Provost (April 1st, 2010)
- Faculty of Arts & Sciences: Nominations & Elections Committee (2007 – 2010)
- Class of 2013 Associate Professorship Selection Committee(2010)
- Assistant Director of Recreational Sports Search Committee (2010)
- Associate Dean Selection Committee (2009)
- Institutional Animal Care and Use Committee (2003 – 2008)
- Information Technology Advisory Committee (2006 – 2008)
- New Faculty Mentor (2007)
- University Honors Committee (2006)
- University Teaching Project (2006)
- Chair, Dean Schwartz Evaluation Committee (2005)
- Convener, Neuroscience Program Seminar (2005)
- New Faculty Mentor (2005)
- SACS-General Education Advisory Committee (2004)
- Thomas Jefferson Prize in Natural Philosophy. Comm. Chair & Convener (2003)
- Verizon Summer Research Grant Funding Committee (2002)
- University Teaching Project (2001)
- GTE Summer Research Grants Funding Committee (2001)

DEPARTMENT & PROGRAM:

Associate Director of the Neuroscience Program, William & Mary (2011 – 2012):

- Program Liaison to the Development Office
- Involved with Integrated Science Center Phase III planning
- Other duties at the request of the Program Director

Director of the Neuroscience Program, William & Mary (2002 – 2011):

- Played a major role in the restructuring of the Biological Psychology program to become the Interdisciplinary Program in Neuroscience. This included direct involvement with curriculum management, course development, and advising.
- During my time as the Director of the Neuroscience Program, there were several important curricular revisions, a graduation class that grew from ~20 to 72 in 2011, and a growth in faculty that now consists of 18 full-time members from 5 traditional departments.
- Directed the first official Neuroscience Program Review in 2010-2011.

- Annual Responsibilities:
 - Retreats for the Neuroscience Faculty
 - Fall & Spring Neuroscience Symposia
 - New Majors Informational Meetings
 - Meetings with Perspective Students & Their Families
 - Commencement Reception for Neuroscience Majors & Their Families
 - Chair, Excellence in Neuroscience Awards Committee

Faculty Member of the Department of Biology, William & Mary:

- Chair, Personnel Committee (2011-2012)
- Curriculum Committee (1999 – 2001, 2009 - 2012)
- Honors & Undergraduate Research Committee (2006 - 2012)
- Junior Faculty Mentor: Jon Allen (2010 – 2015)
- Biomath Position Search Committee (2010-2011)
- Virology Position Search Committee (2007-08)
- Integrated Science Center Phase I & II Planning Committee (2004 – 2009)
- Lab Instructor Search Committee (2007)
- Personnel Committee (2004 - 2005)
- Graduate Committee (1999 - 2001)
- Human Subjects Committee (2000 – 2007)
- Restructuring of the Physiology Teaching Laboratory & Curriculum changes to Neurophysiology, supported by the HHMI Grant Program. (2001-2005)
- Participated in the submission of an equipment acquisition grant to the NSF, and selection of a departmental Confocal Microscope, 2000
- Annual Responsibilities:
 - Development Initiatives
 - Advising (Freshman / Transfer / Biology / Neuroscience)
 - Student Committees: Honors, Master Thesis, and Doctoral Dissertations

OTHER PROFESSIONAL SERVICE:

- Reviewer for Scientific Journals:
 - American Journal of Physiology; Journal of Neuroscience;
 - Advances in Physiology Education; Brain Research; FEBS Letters
- Reviewer for Grant Proposals:
 - National Science Foundation, CCLI Panel. Washington D.C. July 19-20, 2010
 - National Science Foundation, CCLI Panel. Washington D.C. Feb. 4-7, 2004
 - NIH, Minority Biomedical Research Support Program (Reviewer: Spring, 2002)
 - National Institute of Health (Outside Reviewer: Spring 2001)
 - Veterans Administration (Spring, 1996)

- William & Mary Invited Presentations & Courses:
 - Fall Focus Presentation, W&M Admissions: Nov. 13th, 2010
 - Fall Focus Presentation, W&M Admissions: Nov. 21st, 2009
 - Moderator of the Human Self Conference at W&M: Sept. 25th, 2008
 - Admitted Student Lecture Series: April 5, 2007
 - Invited Speaker: Instructional Technology at W&M: March 6, 2007
 - Invited Speaker: Spring Neuroscience Symposium: March 29, 2007
 - Admitted Student Lecture Series: April 17, 2006
 - Monroe Scholars Presentation (w/Guest: John Dowling, Harvard); April 11, 2006
 - Monroe Scholars Presentation, William and Mary (February 2, 2006)
 - Admitted Student Lecture Series: April 25, 2005
 - Monroe Scholars Presentation, William and Mary (April 11, 2000)

- Sacred Heart University Invited Presentations & Courses:
 - Science Breakfast Conference Presentation, Sacred Heart University (April, 1998)
 - Invited Speaker, Conn. Science Supervisors Assoc. Annual Mtg. (March, 1998)
 - Summer Technology Education Courses for High School Educators, Sacred Heart University "Smart" Center (1996 - 99)

- Professional Society Memberships:
 - Phi Kappa Phi (2015- present)
 - Council of Colleges of Arts and Sciences (2012 – 2015)
 - Faculty for Undergraduate Neuroscience (1999 – present)
 - Society for Neuroscience (1992 – present)

 - American Physiological Society (1992 – present)
 - Environmental & Exercise Physiology Section (1996 – Present)

 - Teaching of Physiology Section (American Physiological Society):
 - Chair, Awards & Events Committee, Treasurer (2005 - 2009)

- Professional Memberships pertaining to my role as Coach of W&M Sailing:
 - US Sailing Association (2005 - Present)
 - Instructor Trainer & Coach (2007 – Present): I teach several instructor certification courses per year at sites around the east coast. Each course is 4 days of extensive lectures, testing, and skill evaluation practical examinations.

 - Intercollegiate Sailing Association (2006 – 2015)
 - South Region Representative, Executive Board for the Mid-Atlantic Intercollegiate Sailing Association (2007 – 2012): I attended regular meetings of this Board which is responsible for the administration and development of all activities that are part of college sailing in the mid-Atlantic region. This includes team and regatta administration, All-American nominations, regional qualifications, and rules pertaining to participation and competitions.

TEACHING: ACADEMIC ADVISING & COURSES TAUGHT:

- **Academic Advising:**

Annually

Clemson:

Freshman Advisor	2018 – Present	10-12 students
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William & Mary:

Freshman Advisor	2000 – 2015	10-12 students
Major (Biology & Neurosci.)	2000 – 2015	20-30 students
Transfer Students	2004 – 2015	8 -10 students

- **Courses Taught:**

Medicine and the Mind (BIOL 150)

Medicine and the Mind (BIOL 112-99)

*W&M Summer Program at Cambridge University in Summer 2009

Neurobiology (BIOL 345 & 545)

*Also taught as part of the W&M Summer Program at Cambridge University in Summer 2009

Neurophysiology (BIOL 447 & 647)

Autonomic Nervous System (BIOL 676)

Graduate Colloquium (BIOL 682)

Temperature Regulation (BIOL 404 & 504)

Neurophysiology and its' Role in Body Systems Management (BIOL 504)

Freshman Research (BIOL 201)

Biology Writing (BIOL 300)

Research in Neuroscience (BIOL 403)

SACRED HEART UNIVERSITY (1996-1999):

Neurobiology

Animal Physiology

Human Anatomy and Physiology

Introductory Concepts in Biology

HARVARD UNIVERSITY (1994 - 1996)

Introductory Neurobiology

*I was one of several fellows who "team taught" this course each spring

RESEARCH & SCHOLARSHIP:

FUNDING & GRANTS:

- **Extramural Funding/Proposals:**

While at William and Mary:

Principal Investigator for a National Institutes of Health R15 grant. Title: Characterization of Noradrenergic Thermogenic Input to the Hypothalamus. Funded: **\$207,000** (9/23/09 -12/31/12, 1 R15 NS064361-01A1)

Principal Investigator for a Supplement to a current National Institutes of Health R15 grant. Title: The responses of hypothalamic neurons to CGRP. Funded: **\$28,000** (10/01/09 -8/31/10)

Principal Investigator for a National Institutes of Health R15 grant. Title: The responses of hypothalamic neurons to CGRP. Funded: **\$204,000** (1/23/06 – 1/23/09; 1 R15 NS053794-01)

Recipient of a Teaching Career Enhancement Award from the American Physiological Society. Title: A Comprehensive Integration of Technology into the Teaching of Neurophysiology. Funded: **\$2,400**

Principal Investigator for a National Science Foundation CAREER award. Title: The characterization of physiological responses and anatomical pathways involved in the generation of an immune response. Funded: **\$326,666** (8/17/00 - 8/16/06; IBN-9983624)

While at Sacred Heart University:

Principal Investigator for a MRI (Major Research Instrumentation) Grant Award from the National Science Foundation. Title: Acquisition of neurobiology equipment to characterize the physiological responses and anatomical pathways involved in the generation of a fever by hypothalamic thermoregulatory neurons. Funded: **\$95,000** (9/15/97 – 8/31/99; BES-9724544)

While at Harvard University:

National Research Service Award from the National Institutes of Neurological Disorders and Stroke. Title: Neurophysiological Generation of Fever. Funded: **\$84,000** (11/93 - 11/95; NS09466)

While at The Ohio State University:

Neural Development, Plasticity, and Regeneration Training Grant: One year NIH funded Predoctoral Fellowship Award. Funded: **\$16,000** (06/91 - 06/92; NS07291)

- **Intramural (W&M) Funding/Proposals:**

QEP-Mellon Foundation Proposal. Title: Using Case-Based Physiologic Research in Undergraduate Learning. Funded. 2008. (**\$10,090.00**)

Faculty Research Assignment. Title: Investigating the Cellular Responses of Hypothalamic Neurons to CGRP. Fall, 2005. (**\$12,000**)

Faculty Summer Research Grant. Title: Hypothalamic Neuronal Responses and the Production of a fever. 2000. (**\$5,000**)

*Although this award was approved, funding for this project was provided through an external source (see the CAREER award above), so I declined this award.

SCHOLARSHIP:

- **Publications in Peer Review Journals & Texts:**

(William & Mary students are in Bold)

Mendoza K. C. and J.D. Griffin, 2010. Thermoregulation. In: Koob G.F., Le Moal M. and Thompson R.F. (eds.) Encyclopedia of Behavioral Neuroscience. 3: 400–404. Oxford: Academic Press.*

Mendoza, K.C., McLane, V.D., Kim, S. and J.D. Griffin, 2010. In Vitro Application of Gold Nanoprobes in Live Neurons for Phenotypical Classification, Connectivity Assessment, and Electrophysiological Recording. Brain Research. 1325: 19-27.*

Imbery T.E., M.S. Irdmusa, A.P. Speidell, M.S. Streer and J.D. Griffin. 2008. The effects of Cirazoline, an alpha-1 adrenoreceptor agonist, on the firing rates of thermally classified anterior hypothalamic neurons in rat brain slices. Brain Research. 1193: 93-101.*

Braasch, D.C., E.M. Deegan, E.R. Grimm and J.D. Griffin. 2008. Calcitonin gene-related peptide alters the firing rates of hypothalamic temperature sensitive and insensitive neurons. BMC Neuroscience. 9:64. *

Fetsch, C.R., P.D. Heideman and J.D. Griffin. 2006. Effects of melatonin on thermally classified anterior hypothalamic neurons in the white-footed mouse (*Peromyscus leucopus*). Journal of Thermal Biology. 31: 40-49. *

- Ranels, H.J.** and J.D. Griffin. 2005. Effects of PGE₂ on the cellular properties of thermally classified neurons in the ventromedial preoptic area of the rat hypothalamus. BMC Neuroscience. 6:14.*
- Griffin, J.D. 2004a. Temperature Regulation and Fever. Encyclopedia of Neuroscience, 3rd Edition, Ed. Adleman, G. and Smith, B.H., Elsevier Science B.V.*
- Griffin, J.D. 2004b. Central Thermosensitivity and the integrated responses of hypothalamic neurons. Journal of Thermal Biology. 29: 327-331.*
- Ranels, H.J.** and J.D. Griffin. 2003. The effects of prostaglandin E₂ on the firing rate activity of thermosensitive and temperature insensitive neurons in the ventromedial preoptic area of the rat hypothalamus. Brain Research. 964: 42-50.*
- Griffin, J.D. 2003. Technology in the teaching of neuroscience: enhanced student learning. Advanced in Physiology Education. 27: 146-155.*
- Griffin, J.D., C.B. Saper and Jack A. Boulant. 2001. Synaptic and morphological characteristics of temperature sensitive and insensitive hypothalamic neurons. Journal of Physiology (London). 537: 521-535.
- Griffin, J.D. 1999. Temperature Regulation. Encyclopedia of Neuroscience, 2nd Edition Ed. Adleman, G. and Smith, B.H., Elsevier Science B.V., pages 2020-2021.
- Scammell, T.E., J.D. Griffin, J.K. Elmquist and C.B. Saper, 1998. Microinjection of cyclooxygenase inhibitor into the anteroventral preoptic region attenuates LPS fever. American Journal of Physiology. 274: R783-R789.
- Scammell, T.E., J.K. Elmquist, J.D. Griffin and C.B. Saper. 1996. Ventromedial preoptic Prostaglandin E₂ activates fever-producing autonomic pathways. Journal of Neuroscience. 16(19):6246-6254.
- Boulant, J.A., A.R. Chow and J.D. Griffin. 1996. Determinants of hypothalamic neuronal thermosensitivity. Annals of the New York Academy of Sciences. 813: 133-138.
- Griffin, J.D., M.L. Kaple, A.R. Chow and J.A. Boulant. 1996. Cellular mechanisms for neuronal thermosensitivity in the rat hypothalamus. Journal of Physiology (London) 492: 231-242.
- Griffin, J.D. and J.A. Boulant. 1995. Temperature effects on membrane potential and input resistance in rat hypothalamic neurones. Journal of Physiology (London) 488(2): 407-418.

- **Articles Published in Non-Refereed Conference Proceedings:**

Griffin, J.D. 2001. A Comprehensive Integration of Technology into the Teaching of Neurophysiology. Proceedings of the Syllabus 2001 Summer Conference.

- **Invited Scholarly Papers and Talks:**

While at Clemson University:

Invited Speaker, JEV Memorial Recreational Therapy Workshop, Innovations in Neuroscience, April 6, 2018.

Invited Speaker: Phi Kappa Phi Dinner. Clemson University, October 1st, 2017.

While at William & Mary:

Invited Speaker, Council of Colleges of Arts & Sciences, The Use of Reporting and Analytic Tools for Making Data-Driven Management, November 7, 2015.

Invited Speaker, Council of Colleges of Arts & Sciences, Revisiting General Education in an Era of AP/IB and External Credit Programs, November 8, 2014.

Invited Speaker. Council of Colleges of Arts & Sciences. Managing Enrollment from All Sides. November 7th, 2013.

Invited Speaker. Virginia State Committee on Transfers Meeting. Topic: Co-Enrollment Programs. Old Dominion University. April 25th, 2013.

Invited Speaker. Experimental Biology, American Physiological Society Special Topics Session: Teaching with Technology. April 19th, 2009.

Invited Speaker. Department of Neuroanatomy and Neurobiology, Virginia Commonwealth University. Richmond Virginia. March 15th, 2008

Invited Seminar Speaker. Department of Physiology, University of Tennessee Health Science Center. Memphis, Tennessee. March 8th, 2007.

Distinguished Faculty Lecture. Faculty of Arts and Sciences, College of William and Mary. October 18, 2005. "Thermoregulation, Fever & Hot Flashes...Oh My!"

Invited Speaker. XXXV International Congress of Physiological Sciences. Sand Diego, CA. April 5, 2005. "Membrane mechanisms of thermosensitive neurons in the hypothalamus."

Invited Opening Session Speaker. The First Integrated Meeting on the Thermal Physiology and Pharmacology of Thermoregulation. Rhodes, Greece. October 11, 2004. "Central Thermosensitivity and the Integrated Responses of Anterior Hypothalamic Neurons."

Pre-Tenure Seminar: Department of Biology, College of William and Mary. November 21, 2003. "Thermoregulation, Fever & Hot Flashes...Oh My!"

Invited Speaker: The Harold L. Dorris Neurological Research Center, The Scripps Research Institute. April 17th, 2003. "Hypothalamic Control of Body Temperature and Fever."

Invited Seminar Speaker: University of North Carolina at Wilmington. September 28, 2001. "Hypothalamic Control of Thermoregulation."

- **Presented Papers & Published Abstracts (William & Mary):**

Perez, R., Moore A.R. and Griffin, J.D. The effects of the alpha-2 adrenoreceptor agonist clonidine on the activity of thermally classified neurons in anterior hypothalamus of the rat. American Physiological Society Meeting. April, 2011.*

Askin, C.A., Hack, L.M. and Griffin J.D. The Effects of leptin on thermosensitive neurons in the anterior hypothalamus of the rat. American Physiological Society Meeting. April 2011.*

McLane, V.D. and Griffin J.D. Characterization of thermoregulatory efferents to the paraventricular nucleus of the rat hypothalamus. American Physiological Society Meeting, April 2011.*

Griffin, J.D. The Characterization of Anterior Hypothalamic Thermoregulatory Neurons Which Have Direct Axonal Projections to the Dorsomedial Hypothalamus. Society For Neuroscience Annual Meeting, November 2010.*

Mendoza K.C. McLane, V.D., Kim, S and Griffin, J.D. The application of gold nanoprobe using an in vitro slice preparation for the phenotypical classification, connectivity assessment, and electrophysiological recording of hypothalamic thermoregulatory neurons. American Physiological Society Meeting, April 2010.*

- Griffin, J.D. The use of technology and interactive case laboratory modules in the study of neurophysiologic concepts and the development of research skills. American Physiological Society Annual Meeting, April 19th, 2009.*
- Irdmusa, M. S., Streer, M., Speidell, A.P., Imbery T.E.,** and Griffin, J.D. The effects of cirazoline on the firing rates of thermally classified neurons in the anterior hypothalamus of the rat. American Physiological Society Annual Meeting, May 2, 2007.*
- Schaffer, B.E.** and Griffin, J.D. Functional Identification of Thermally Classified Neurons in the Preoptic and Anterior Hypothalamus. American Physiological Society Annual Meeting, April 4th, 2006. *
- Hack, L.M.** and Griffin J.D. Effects of Leptin on the Firing Rates of Thermoregulatory Neurons in the Anterior Hypothalamus. American Physiological Society Annual Meeting, April 4th, 2006. *
- Pecora, B.S., Straub, A.L.** and Griffin, J.D. Thermoregulatory Projections to the Dorsomedial Hypothalamus of the Rat. American Physiological Society Annual Meeting, April 4th, 2006.*
- Fetsch, C.R.,** Heideman, P.D. and Griffin, J.D. Effects of Melatonin on Thermoregulatory Hypothalamic Neurons in the White-Footed Mouse (*Peromyscus Leucopus*). Second International meeting on Physiology and Pharmacology of Temperature Regulation, March 4th, 2006.*
- Braasch, D.C.** and Griffin, J.D. The effects of Calcitonin Gene-Related peptide on the electrical Properties of Thermally Classified Neurons in the Anterior Hypothalamus of the Rat. Scholander Competition Session, XXXV International Congress of Physiological Sciences, April 2nd, 2005.*
- Deegan, E.M., Grimm, E.R.** and Griffin, J.D. (2004) The Effects of Calcitonin Gene-Related Peptide on the Firing Rates of Thermosensitive and Temperature Insensitive Neurons in the Anterior Hypothalamus of the Rat. 2004 Experimental Biology meeting abstracts [on CD-ROM]. *The FASEB Journal*, 18, Abstract #704.20*
- Fetsch C.R.,** P.D. Heideman and J.D. Griffin. (2003) Firing rate responses of thermally classified anterior hypothalamic neurons to melatonin in tissue slices from the white-footed mouse, *Peromyscus leucopus*. 2003 Experimental Biology meeting abstracts [on CD-ROM]. *The FASEB Journal*, 18, Abstract #63.2*
- Wright, J.L.** and J.D. Griffin. (2003) The effects of leptin on the firing rates of thermosensitive and temperature-insensitive neurons in the anterior hypothalamus. 2003 Experimental Biology meeting abstracts [on CD-ROM]. *The FASEB Journal*, 18, Abstract #63.1*

Thompson, E.D. and J.D. Griffin. (2003) The effects of cAMP dependent protein kinase activation on the firing rates of thermosensitive and temperature insensitive neurons in the ventromedial preoptic area of the rat hypothalamus. 2003 Experimental Biology meeting abstracts [on CD-ROM]. *The FASEB Journal*, 18, Abstract #64.4*

Wallis, E.M. and J.D. Griffin. (2003) Morphological characterization of thermosensitive and temperature insensitive neurons in the ventromedial preoptic area of the rat hypothalamus. 2003 Experimental Biology meeting abstracts [on CD-ROM]. *The FASEB Journal*, 18, Abstract #64.5*

Ranels, H.J. and J.D. Griffin. The effects of prostaglandin E2 on the cellular properties of thermally classified neurons in the ventromedial preoptic area of the rat hypothalamus. Featured Topic Session: Eicosanoids and Fever; Experimental Biology, Annual Meeting of the American Physiological Society, April 23, 2002.*

Griffin, J.D. A comprehensive integration of computer technology into the teaching of neurophysiology. Computers in Research and Teaching Session; Experimental Biology, Annual Meeting of the American Physiological Society, April 23, 2002.*

Ranels, H.J. and J.D. Griffin. The effects of Prostaglandin E2 on the Firing Rate Responses of Thermosensitive and Insensitive Neurons in the Ventromedial Preoptic Area of the Hypothalamus. Society For Neuroscience, November 14, 2001.*

Griffin, J.D. A Comprehensive Integration of Technology into the Teaching of Neurophysiology. Syllabus 2001 Summer Conference, July 23, 2001*

- **Previous Presented Papers & Published Abstracts:**

Griffin, J.D. and C.B. Saper, 1996. The effects of IL-1beta and PGE₂ on hypothalamic thermosensitive and temperature insensitive neurons. FASEB Journal 10(3): A113.

Scammel, T.E., J.D. Griffin, J.K. Elmquist and C.B. Saper, 1996. Lipopolysaccharide Fever requires the production of prostaglandins in the preoptic area of the hypothalamus. Soc. Neurosci. Abs. 22: 248.

Griffin, J.D. and C.B. Saper, 1996. The thermosensitivity of neurons in the ventromedial preoptic area of the hypothalamus. Neurosci. Abs. 22: 248.

- Griffin, J.D., and C.B. Saper, 1995. Morphological characteristics of hypothalamic thermosensitive and temperature insensitive neurons. Soc. Neurosci. Abs. 21: 879.
- West, A.E., C.C. Overly, K.E. Sorra, M.J. Belliveau, M.J. Bianchetta, J.M. Schwalb, J.D. Griffin, and J.E. Dowling. 1994. An interactive case method for teaching introductory neuroscience. Soc. Neurosci. Absts. 20: 208.
- Griffin, J.D., and C.B. Saper. 1994. The effects of IL-1beta on the intracellular activity of hypothalamic thermosensitive and temperature insensitive neurons. Soc. Neurosci. Absts. 20: 1180.
- Griffin, J.D., P. Wung Burgoon, and J.A. Boulant. 1993. Neuronal Thermosensitivity does not depend on thermal changes in resting membrane potential. FASEB Journal 7(3): A17.
- Boulant, J.A. and J.D. Griffin. 1993. Determinants of thermosensitivity in hypothalamic neurons. page 9, In: Thermal Physiology 1993, Absts of the Proceedings of the IUPS Thermal Physiology Commission Symposium, edited by A.S. Milton, Univ. of Aberdeen, Scotland.
- Griffin, J.D. and J.A. Boulant. 1993. Mechanisms of hypothalamic neuronal warm sensitivity. Soc. Neurosci. Absts. 19:99.
- Griffin, J.D. and J.A. Boulant. 1992. Hypothalamic warm sensitive neurons: Role of the temperature dependent pacemaker potential. FASEB Journal 6:A1198.
- Griffin, J.D. and J.A. Boulant. 1992. Synaptic interactions of hypothalamic temperature sensitive and insensitive neurons. Soc. Neurosci. Absts. 18:877.
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