

Curriculum Vitae

Work address: **Dr. Andrew K. Sobering**
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Mailing address: **Dr. Andrew K. Sobering**
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1 E. Main Street
Bay Shore NY, 11706

Citizenship: United States of America

Military Service: US Air Force -1985-1989

*Attained E-4 Sergeant (noncommissioned officer)

**Honorable discharge

***As a noncommissioned officer, I held a leadership position and functioned as an instructor in both formal and informal settings.

Education:

- 1994-2001 Johns Hopkins University
Bloomberg School of Public Health
Baltimore, MD 21205 USA
Ph.D. Department of Biochemistry and Molecular Biology (March 2001)
- 1991-1994 SUNY at Stony Brook
Stony Brook, New York 11794
B.S., Biochemistry, *magna cum laude*
Departmental Honors (May 1994)
- 1990-1991 Manatee Community College
Bradenton, Florida
A.A. Degree, *summa cum laude*, with Honors

Research and Teaching Experience:

- Aug 2009 Associate Professor of Biochemistry at SGU
- Jan 2008 - 2009 Associate Professor at Medical University of the Americas (MUA)
July 2005 - 2008 Assistant Professor at MUA

At MUA I have participated in the teaching of the following courses:

Course director: Medical Genetics
Course director: Evidence Based Medicine & Research Methods
Course director: Introduction to General and Organic Chemistry

Course assistant: Medical Biochemistry
Course assistant: Biochemistry (undergraduate)
Course assistant: Cell Biology (undergraduate)

- Nov 02- 2005 Fellowship research
Faculté de Médecine-Necker
Department Head: Dr. Paul A. Kelly
Team Leader: Dr. Mario Pende
156 rue de Vaugirard, *INSERM* Unité 584
75015 Paris, France
Project: Role of S6 kinase in regulation of cell size.
*Awarded the *Poste Verte* fellowship scholarship for outstanding research

- May 02-Nov 02 Fellowship -Institut de Génétique et Microbiologie
CNRS Laboratory of Dr. Philippe Silar
Université Paris-sud (XI), Bâtiment 400
91405 Orsay Cedex France
Project: Epigenetic control of aging in filamentous fungi.
*Awarded special six month fellowship for visiting scholar to France

- 1994-2002 Graduate and Post-doctoral research in the laboratory of Dr. David E. Levin, Johns Hopkins University.
Project: Negative regulation of Ras signaling in yeast.
- 1993-1994 Undergraduate Teacher's Assistant
Physiology, SUNY Stony Brook
- 1993-1994 Center for Biotechnology Internship Program
Collaborative Laboratories, Stony Brook NY
Project: Encapsulation properties of non-phospholipid liposomes.
*Awarded biotechnology internship program scholarship

Honors and Awards:

- Received: The *Poste Verte* fellowship award from INSERM, France
- Received: Visiting scholar award for research in France
- Member: The Chemistry Club; Paris, France
- Graduated: *As magna cum laude* from SUNY at Stony Brook, 1994
- Graduated: With honors from SUNY at Stony Brook Biochemistry Department, 1994
- Member: Phi Beta Kappa National Honor Society, since 1994
- Member: Golden Key National Honor Society, since 1994
- Elected: President of Undergraduate Biochemistry Society, Stony Brook, 1994
- Elected: Vice President of Undergraduate Biochemistry Society, Stony Brook 1993
- Member: Undergraduate Biochemistry Society, Stony Brook, 1991 – 1992
- Awarded: Scholarship and internship position with the Center for Biotechnology at Stony Brook, NY
- Graduated: *Suma cum laude* from Manatee Community College, 1991

Abstracts, Posters and Seminars:

Sobering, A. K., and Levin, D. E. 1999. Rpi1 functions Downstream of the Ras and the Cell Wall Integrity Pathways. **FASEB J. 13, A1390.** 1999 Meeting of the American Society of Biochemistry and Molecular Biology.

Levin, D. E., **Sobering, A. K.**, Philip, B., Rajavel, M., Jung, U. S. 1999. Advances in Cell Integrity Signaling. **1999 Meeting on Yeast Cell Biology**, Cold Spring Harbor, New York. p93.

Sébastien Kicka, **Andrew K. Sobering**, Crystel Bonnet, Latha Prabha Ganesan and Philippe Silar **2004.** Role of a MAP kinase cascade in the development of an epigenetic cell degeneration. **The 155th Meeting of the Society for General Microbiology**, Trinity College Dublin, Ireland.

Mieulet, V., **Sobering, A.**, Ohanna, M., Raught, B., Sonnenberg, N., Kelly, P. A., Sotiropoulos, A., Thomas, G., and Pende, M. 2004. Cooperation between S6 kinase and Rsk in the phosphorylation of translation factors. **2004 Cell Signaling symposium.** Dundee Scotland.

Andrew K. Sobering 2004. Control of Muscle Growth. **ENDO Retreat 2004.** Bel Air Castle, Beaugency, France.

Publications:

Sobering, A. K., Jung, U. S., Lee, K, S., and D. E. Levin. 2002. Yeast Rpi1 is a Putative Transcriptional Regulator That Contributes to Preparation for Stationary Phase. *Eukaryotic Cell* 1:56-65.

Romeo, M. J., Angus-Hill, M. L., **Sobering, A. K.**, Kamada, Y., Cairns, B., and D. E. Levin. 2002. *HTL1* Encodes a Novel Factor That Interacts with the RSC Chromatin Remodeling Complex in *Saccharomyces cerevisiae*. *Mol. Cell. Biol.* 22:8165-8174.

Jung, U. S., **Sobering, A. K.**, Romeo, M. J., and D. E. Levin. 2002. Regulation of the yeast Rlm1 transcription factor by the Mpk1 cell wall integrity MAP kinase. 2002. *Mol. Micro.* 46:781-789.

Sobering, A. K., Romeo, M. J. Vay, H. A., and D. E. Levin. 2003. A Novel Ras Inhibitor, Eri1, Engages Yeast Ras at the Endoplasmic Reticulum. *Mol. Cell Biol.* 23:4893-4990.

Sobering, A. K., Reika Watanabe, Martin J. Romeo, Benjamin C. Yan Charles A. Specht, Peter Orlean, Howard Riezman, and David E. Levin. 2004. Yeast Ras regulates the complex that catalyzes the first step in GPI-anchor biosynthesis at the ER. *Cell.* 117:637-648.

*This Cell paper was mentioned in the Signal Transduction section of '*news and views in brief*', in *Nature*, 2004, v429 p620. [Ras finds itself a sticky spot.](#)

*A dedicated review of this Cell paper written by John F. Hancock appeared in the 'Previews' section of the June 6, 2004 issue of *Developmental Cell*, p743-746. [GPI-Anchor Synthesis: Ras Takes Charge.](#)

*A news report of these findings was posted by *News-Medical* in *Medical Research News*, entitled: [New target of a cancer causing gene.](#) Published on Thursday, 27-May-2004. See <http://www.news-medical.net>

Ohanna M, **Sobering AK**, Lapointe T, Lorenzo L, Praud C, Petroulakis E, Sonenberg N, Kelly PA, Sotiropoulos A, Pende M. 2005. Atrophy of S6K1(-/-) skeletal muscle cells reveals distinct mTOR effectors for cell cycle and size control. *Nature Cell Biology.* 2005 Mar;7(3):286-94.

Sebastion, K., Bonnet, C., **Sobering, A. K.**, Ganesan, L. P., and Silar, P. 2006. A mitotically inheritable unit containing a MAP kinase module. *Proceedings of the American Academy of Sciences.* 103, 13445-13450.

Aguilar, V., Alliouachene, S., Sotiropoulos, A., **Sobering, A.**, Athea, Y., Djouadig, F., Miraux, S., Thiaudiere, E., Froetz, M., Viollet, B., Diolez, P., Bastin, J., Benit, P., Rustin, P., Carling, D., Sandri, M., Ventura-Clapier, R., and Pende, M. 2007. S6 Kinase Deletion Suppresses Muscle Growth Adaptations to Nutrient Availability by Activating AMP Kinase. *Cell Metabolism.* 5, 476-487.

*A dedicated review of this paper written by Gustavo A Nader appeared in the News and Views section of Nature Medicine. 2007. Volume 13, p1016: Muscle growth learns new tricks from an old dog,

Report of Invention/Patent Application:

Sobering, A. K., and D. E. Levin. 2002. Agents Capable of Inhibiting Ras and Uses Thereof. ROI Processed by the Johns Hopkins University, Office of Technology Transfer, JHU Docket: 1737.

Sobering, A. K., and D. E. Levin. 2004. Inhibition of GPI anchor production by Ras. ROI Processed by the Johns Hopkins University, Office of Technology Transfer, JHU Docket: XXXX.