

## A. B. Cee, PhD

Address

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Visa Status: Self sponsored Green Card.

- Objective** Use my expertise in pharmacology along with strong interpersonal and communication skills, towards an industry focused career in drug development.
- Education** **Ph.D. Pharmacology**, Department of Pharmacology, University of Pennsylvania (UPENN). Graduated: 2005.  
**B.Sc. Hons. in Genetics**, Trinity College Dublin, Ireland. Graduated: 1998.
- Experience** **Postdoctoral Fellow**, Institute for Translational Medicine and Therapeutics, UPENN. (Aug. 2005- Present)  
**Ph.D. candidate**, Department of Pharmacology, UPENN. (Feb. 2001 – Aug. 2005)
- Expertise** Circadian Vascular Biology, Diabetes and metabolism, Atherosclerosis, Thrombosis, Blood Pressure Regulation, Autonomic Nervous System.
- Published data and reviewed articles for peer reviewed scientific journals.
  - Led the design, trouble-shooting and implementation of experimental procedures.
  - Interpreted data and developed strategies for ongoing projects.
  - Interviewed, mentored and supervised lab technicians and students.
  - Authored protocols and SOPs for animal experiments reviewed and approved by UPENN regulatory affairs.
  - Fostered collaborative research with outside investigators at the Genomics Institute of the Novartis Research Foundation (GNF), Scripps Research Institute and Oxford University.
- Presentations** Oral presentation at the 7<sup>th</sup> and 3<sup>rd</sup> Annual Conference on Arteriosclerosis, Thrombosis and Vascular Biology.  
Oral presentation at the Keystone Symposia, Bioactive Lipids, Lipodomics and their Targets, 2005.  
Poster presentation at the 4<sup>th</sup> Annual Conference on Arteriosclerosis, Thrombosis and Vascular Biology, 2004.  
Oral presentation at the 4<sup>th</sup> Annual Winter Eicosanoid Conference, 2002.
- Consultant Leader, Applied Clinical Intelligence (ACI), 202 Race Street, Philadelphia, PA 19147.**  
(Part-time voluntary position May 2003- September 2003)
- Managed a five-member team of multi-disciplined students from UPENN.
  - Developed a business plan for ACI to enter the FDA required risk management sector for post market drug surveillance.
- Project Member, Integral Molecular, Inc. 3701 Market St, Philadelphia, PA 19104.**  
(Part-time voluntary position April 2002 – October 2002)
- Analyzed potential markets for a proprietary polymerosome drug delivery technology belonging to a start up biotechnology company, with recommendations to produce a polymerosome-encapsulated doxorubicin formulation. Generated a business model that was incorporated into a Small Business Innovative Research (SBIR) grant proposal.
- Medical Research Assistant, Department of Medicine, University College Cork, Ireland.** (Feb. 00 – Feb. 01)
- Performed linkage analysis to identify NOD2 as a susceptibility gene involved in Crohn's Disease (CD) within the Irish population.
- Medical Technician, The Center for Human Genetics, Duke University, N.Carolina.** (June 1998- Dec. 1999)
- Developed an efficient organizational structure to run a high though-put screen on Alzheimer's and Autism genomic samples.
- Computer skills** Microsoft Office, Genehunter, Prism Biostatics, GeneSpring, Ingenuity, Adobe, Laboratory Information Management Systems (LIMS).
- Leadership Experience** **Committee Member, Penn Biomedical Postdoctoral Council. (2006)**  
Currently organize seminars and workshops of interest to the Penn Biomedical Postdoctoral community.  
**Co-President, Penn Biotech Group (PBG), University of Pennsylvania. (2003-2004).**  
Co-President (elected position) of a student run cross-disciplinary club aimed at promoting education and awareness regarding the many facets of the biotechnology and pharmaceutical industry.  
Established and managed several consulting projects with local biotechnology companies.  
**Director of Events, Penn Biotech Group (PBG), University of Pennsylvania. (2002-2003).**  
Hosted a series of presentations from key opinion leaders within the biotechnology and pharmaceutical sector.

- Awards**
- Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Junior Investigator Award for Women 2006**
- Awarded to the top female applicant based on the quality of the presentation at the ATVB conference.
- ATVB Travel Award 2002 and 2003.**
- Awarded a \$1000 travel grant for receiving the highest ranked abstract in the basic scientific category.
- ATVB Junior Investigator Award for Women Finalist 2002.**
- Abstract for ATVB conference scored in the top 5% amongst all female applicants.
- American Heart Association (AHA), Pennsylvania-Delaware Pre-doctoral Fellowship.**
- Developed and wrote a grant proposal which scored in the top 25% and awarded a stipend of \$20k per annum for three years.

### Selected Publications

**A.B. Cee**, Yan Cheng, Thomas S. Price, Dermot Reilly, Shiv Kapoor, Garret A. FitzGerald.

Regulation of sympathoadrenal function by the molecular clock conditions the diurnal variation in blood pressure and the vascular response to stress. Proceedings of the National Academy of Sciences (PNAS) (Manuscript accepted with revisions).

**A. B. Cee**, Seo SB, Westgate EJ, Rudic RD, Smyth EM, Chakravarti D, FitzGerald GA, McNamara P. HAT-dependent chromatin remodeling and the vascular clock. J Biol Chem. 2003, 279: 7091-7097.

R. Daniel Rudic, Peter McNamara, **A. B. Cee**, Satchidananda Panda, John B. Hogenesch, Garret A. FitzGerald. The Molecular Clock and Glucose Homeostasis, PLoS Biology 2004 Vol. 2, No. 11, e377 DOI: 10.1371.

Peng Y. Woon, **A. B. Cee**, Pamela J. Kaisaki, Karene Argoud, Karin J. Wallace, Garret A. FitzGerald and Dominique Gauguier. Genomic Organisation of the rat Clock gene and sequence analysis in twelve inbred strains. Genomics. 2006 Feb;87(2):208-17.

E. Bairead, D.L. Harmon, **A. B. Cee**, Y. Kelly, C. O'Leary, M. Gardner, D.T. Leahy, P. Vaughan, D. Keegan, C. O'Morain, D. O'Donoghue, F. Shanahan, N.A. Parfrey and K.A. Quane.

Association of NOD2 with Crohn's Disease in a homogenous Irish population. European Journal of Human Genetics (2003) 11, 237-244.

R. Daniel Rudic, Peter McNamara, Dermot Reilly, Tilo Grosser, **A. B. Cee**, Satchidananda Panda, John Hogenesch, and Garret A. FitzGerald. Bioinformatic analysis of circadian gene oscillation in mouse aorta. Circulation. 2005 Oct 25;112(17):2716-24.

### Book Chapters

Radu Daniel Rudic, **A. B. Cee**, Yan Cheng, and Garret A. FitzGerald.

Peripheral clocks and the regulation of cardiovascular and metabolic function. Methods Enzymol. 2005;393:524-39.

**A. B. Cee** and Garret A. FitzGerald. Central and peripheral clocks in cardiovascular and metabolic function. Annals of Medicine (Accepted for publication)

### Selected Abstracts

**A. B. Cee**, Yan Cheng, Thomas S. Price, Dermot Reilly, Shiv Kapoor, Garret A. FitzGerald.

Diurnal Variation in Cardiovascular Function: Blood pressure and response to stress are both regulated by the molecular clock Arteriosclerosis, Thrombosis and Vascular Biology, Volume 23, Number 5, A1, 2006.

**A. B. Cee**, Sang-beom Seo, Debabrata Chakravarti, Garret A. FitzGerald, Peter McNamara.

Dissecting the Vascular Clock: CLOCK/NPAS2:BMAL1 transcriptional activation is regulated by the histone acetyltransferases p300/CBP and PCAF. Arteriosclerosis, Thrombosis and Vascular Biology, Volume 22, Number 5, A1, 2002.

**A. B. Cee**, Elizabeth J. Westgate, Sang-beom Seo, Emer M. Smyth, Debabrata Chakravarti, Garret A. FitzGerald, Peter McNamara. Assembly of the Vascular Circadian Transcriptosome: The role of chromatin remodelling. Arteriosclerosis, Thrombosis and Vascular Biology, Volume 23, Number 5, A1, 2003.

R. Daniel Rudic, Peter McNamara, **A. B. Cee**, Satchidananda Panda, John B. Hogenesch, Garret A. FitzGerald. Circadian Modulation of glucose and lipid homeostasis. Arteriosclerosis, Thrombosis and Vascular Biology, Volume 23, Number 5, A1, 2004.

Westgate EJ, **Cee A.B.**, Cheng Y, and Garret A. FitzGerald.

The molecular clock and circadian variability in vascular biology. Arteriosclerosis, Thrombosis and Vascular Biology, Volume 25 (5): E48-E48, 2005.