

NORTHWESTERN UNIVERSITY FEINBERG SCHOOL OF MEDICINE  
Curriculum Vitae

January 2006

Debabrata (Debu) Chakravarti, Ph.D.

Office Address: Associate Professor  
Associate Director, Division of Reproductive Biology Research  
Department of Obstetrics and Gynecology  
4-119 Lurie Research Building  
303 East Superior Street  
Chicago, IL 60611  
Tel/Fax/email: 312-503-1641 (Tel), 312-503-0095 (Fax), [debu@northwestern.edu](mailto:debu@northwestern.edu)

Citizenship: U.S.A

Education: 1984 B.S. University of Calcutta, India (Chemistry)  
1986 M.Sc. University of Calcutta, India (Biochemistry)  
1988 M.S. Albert Einstein College of Medicine, New York, NY  
(Molecular Biology and Biochemistry)  
1992 Ph.D. Albert Einstein College of Medicine, New York, NY

Postgraduate Training and Fellowship Appointments:

1993-1998 Postdoctoral fellowship in the laboratory of  
Dr. Ronald M. Evans, The Salk Institute, La Jolla, CA

Faculty Appointments:

10/1998-11/2005 Assistant Professor, Department of  
Pharmacology, University of Pennsylvania School of  
Medicine, Philadelphia, PA  
12/2005- Associate Professor, Associate Director, Div. of  
Reproductive Biology Research, Department of  
Obstetrics and Gynecology, Northwestern University  
Feinberg School of Medicine

Hospital and Administrative Appointments:

1999- Member, Admissions Committee, Graduate Group in Pharmacological Sciences  
1999- Member, Curriculum Committee, Graduate Group in  
Pharmacological Sciences  
2000-2002 Chair, Department of Pharmacology Seminar Series  
2001- Director, Topics in Molecular Pharmacology Graduate  
Course  
2003- Vice Chair, Admissions Committee, Graduate Group in  
Pharmacological Sciences  
2004 Member, Michael S. Brown Junior Faculty Research  
Award Committee, School of Medicine

Specialty Certification:

Not applicable

Licensure:

Not applicable

Awards, Honors, and Membership in Honorary Societies:

Silver Medal, University of Calcutta, India  
1994-1997 Recipient of Post-doctoral Fellowship of the Jane Coffin Childs Memorial Fund for Medical Research  
2000- Future Leader Award from the International Life Sciences Institute, North America  
Student-Invited Fourth Annual Jorge Chevesich Memorial Lecture, Albert Einstein College of Medicine, New York, NY  
2003 Michael S. Brown Junior Faculty Research Award (Penn Med Award of Excellence)  
2004 NIDDK/NIH Endocrinology study section ( Feb, 2004)  
2004 NIH special emphasis panel study section ( July, 2004)

Membership in Professional and Scientific Societies:

National Societies:

Member, American Association for the Advancement of Sciences (1998- )  
Member, American Association for Cancer Research (2000- )  
Member, American Society for Biochemistry and Molecular Biology (2002- )  
Member, The Endocrine Society (2002- )

Local Societies:

None

National Scientific Committees:

NIH/NIDDK – Endocrinology Study Section (Ad hoc Member, 2004- )  
NIH – Endocrinology, Metabolic, Nutritional and Reproductive Sciences Special Emphasis Panel (Reviewer, July 12, 2004)

International Scientific Committees

Grant Reviewer, Italian Association for Cancer Research

Local Scientific Committees:

Member, Pilot Project Review Study Section of the NIH – sponsored program project (P30), University of Pennsylvania Diabetes Center, 2002, 2003

Editorial Positions (selected):

Ad hoc Reviewer, Cell  
Ad hoc Reviewer, Cancer Cell  
Ad hoc Reviewer, Molecular Cell  
Ad hoc reviewer, Genes and Development  
Ad hoc Reviewer, Proceedings of the National Academy of Sciences, USA  
Ad hoc Reviewer, Journal of Biological Chemistry

Ad hoc Reviewer, The EMBO Journal  
Ad hoc Reviewer, Journal of Virology  
Ad hoc Reviewer, Journal of Cell Biology  
Ad hoc Reviewer, Molecular and Cellular Biology  
Ad hoc Reviewer, Molecular and Cellular Endocrinology  
Ad hoc Reviewer, American Journal of Pathology  
Ad hoc Reviewer, Hepatology  
Ad hoc Reviewer, Oncogene

Academic Committees at the University of Pennsylvania and Affiliated Hospitals:

1998- Participating faculty in the Pharmacology Predoctoral Training Program (Grant)  
1998- Member, Center for Cancer Pharmacology  
1998- Member, University of Pennsylvania Comprehensive Cancer Center  
Member, Penn Diabetes Center  
Member, Cell and Molecular Biology Graduate Program  
1999- Member, Graduate Group in Biochemistry and Biophysics  
1999- Member, Admissions Committee, Graduate Group in Pharmacological Sciences  
1999- Member, Curriculum Committee, Graduate Group in Pharmacological Sciences  
2000- Member, Graduate Group in Biochemistry and Molecular Biophysics  
2000- Participating Faculty in the Genetics Predoctoral Training Program (Grant)  
2000- Member, Graduate Group in Neuroscience  
2000-2002 Chair, Department of Pharmacology Seminar Series  
2001- Co-Director, Topics in Molecular Pharmacology course  
2002 Participant in the Penn Medicine Planning Retreat I and II in February and May.  
2003- Vice Chair, Admissions Committee, Graduate Group in Pharmacological Sciences  
2005 Co-director, BIOM555 (Gene expression course)

Major Teaching at the University of Pennsylvania:

1. Fundamentals of Pharmacology (Pharm 623): 1999-
2. Principles of Cancer Pharmacology (Pharm 560): 1999-
3. Medicinal Chemistry (Pharm 630): 1999-2000
4. Seminars in Cell and Molecular Biology (CAMB 605): 1999-2001-
5. Neuropharmacology 510 (INSC 596): 2000
6. Topics in Molecular Pharmacology (Pharm 520): 2001-
7. Frontiers in Cancer Pharmacology (FR508): 2000
8. Signal Transduction (BMB550): 2001
9. SOM Module 1, 2, Pharmacology: 1999, 2001, 2003
10. BioM 555 gene expression 2005
11. Fundamentals in Pharmacology, 623 I and II, 2004, 2005

Students and Post-doctoral Fellows Trained and Committee Participation

Post-doctoral Fellows and Visiting Scientists

Sang B. Seo, Ph.D, 1999-2001, Currently Assistant Professor, Seoul

National University, Seoul, South Korea  
Peter McNamara, Ph.D, 1998-2001. (Fellow of Dr. FitzGerald), Currently  
Scientist at the Genomics Institute of the Novartis Research  
Foundation, La Jolla, CA  
Yoshinori Naoe, Ph.D, 2001-2003, Visiting Scientist, Currently Associate  
Manager, Department of Cancer and Urology, Medicinal Biology  
Research Laboratories, Figisawa Pharmaceutical Co. Osaka, Japan  
Jagdeep Kaur, Ph.D, 2001-2002, Postdoctoral Fellow, Currently  
Assistant Professor, University of Punjab, Chandigarh, India  
Santanu Palchaudhuri, Ph.D postdoctoral fellow, 2004-

#### Graduate Students

Rui Hong (Pharmacology), graduated 2004  
Todd Macfarlan (CAMB), graduated 2005  
Sara Kutney (Pharmacology)  
Amy Kondyra (Pharmacology)  
Brandon Parker (Pharmacology)

#### Rotation Students

Leilah McNabb (Pharmacology, 1999)  
Rui Hong (Pharmacology, 2000)  
Tom Libert (Pharmacology, 2000)  
Todd Macfarlan (CAMB, 2000)  
Sara Kutney (Pharmacology, 2001)  
Amy Kondyra (Pharmacology, 2001)  
Michael Pollack (Pharmacology, 2001)  
Rana Gupta (Pharmacology, 2002)  
Rebecca Stauffer (Pharmacology, 2002)  
Shari Lee (Pharmacology, 2003)  
Velibor Savic (CAMB, 2003)  
Brandon Parker (Pharmacology, 2004)  
John Ross (Pharmacology, 2004)

#### Undergraduate, MS, and Independent Study

Yuki Mukai (University of Pennsylvania)  
Farid Razavi (University of Pennsylvania)  
Soyoung Heo (Richard Stockton College, NJ)  
April Turner (Thomas Jefferson University)  
Claire Cao (University of Pennsylvania)  
Brian Altman (University of Pennsylvania, 2003-2005)  
Felix Yelin (University of Pennsylvania, 2003)-2005  
Michelle Attner University of Pennsylvania (2005-)

#### Medical Student

Vincent See Jr.

#### Ph.D, MSTP Thesis Committee

Ted Burczynski (member, Pharmacology, Penning mentor)  
Fusheng Li (member, Pharmacology, Pittman mentor)  
Michael Keeley (member, CAMB, Abel mentor)  
Jessica Dworet (member, CAMB/MSTP, Meinkoth mentor)  
Robert Schnepf (member, CAMB/MSTP, Hua mentor)  
Hong-Ping Guan (Chair, Pharmacology, Lazar mentor)

Dave Bauman (member, Pharmacology, Penning mentor)  
Eric Klein (Chair, Pharmacology, Assoian mentor)  
Barrington Barnett (member, Pharmacology, Pittman mentor)  
Sara Cullinan (member, CAMB, Diehl mentor)  
Michael Diem (Chair, CAMB, Dreyfuss mentor)  
Yun Li (member, CAMB, Lazar mentor)  
Rebecca Montross (member, Pharmacology, Pittman mentor)

Ph.D Qualifying Examination Committee

Shelley Zhang (Pharmacology, 2000)  
Sheryl Stewert (Pharmacology, 2000)  
Jong Wu (Pharmacology, 2000)  
Tom Libert (Pharmacology, 2001)  
Yuaniming Zhang (CAMB, 2001)  
Orr Barak (CAMB, 2001)  
Peter Hammerman (CAMB, MSTP, 2002)  
Francesca Grossman (CAMB, 2002)  
Hong-Ping Guan (Chair, Pharmacology, 2002)  
Barrington Burnett (Pharmacology, 2002)  
Rana Gupta (Pharmacology, 2003)  
Elizabeth Westgate (Chair, Pharmacology, 2003)  
John Graziotto (Neuroscience, 2003)  
Kelley Bethoney (, Chair, BMB, 2004)  
Mira Sachdeva (CAMB/MSTP, 2004)  
Erin Bruno (CAMB, 2004)

Research Grants/Contracts:

Ongoing research support:

RO1 DK 65148:

3/1/04-2/28/09

NIH/NIDDK

Regulatory mechanisms in transcriptional signaling

This study aims to identify novel regulatory mechanisms in chromatin and transcriptional signaling

Role: PI, 30% Effort, direct annual cost, \$211,000.00

RO1 DK57079

8/1/00-7/31/06

NIH/NIDDK

Regulation of CBP/p300 in nuclear receptor function

The study aims to identify novel regulatory mechanisms involved in nuclear receptor and their coactivator CBP/p300 function.

Role: PI , 40% effort, direct annual cost \$150,000.00

University research foundation

7/1/05-11.30/2005

University of Pennsylvania

Characterization of a novel THAP domain protein in transcription and apoptosis

This project will characterize the role of THAP7 in transcription and apoptosis

Role PI, 5% effort, total direct cost requested, \$ 25,000

Pending:

RO1 Dk57079: competing renewal 7/1/06-2006/30/2011

NIH

Regulation of CBP/p300 in nuclear hormone receptor function.

This study aims to identify and characterize new transcriptional regulator,

Role PI, 40% effort, total direct cost requested: \$225,000/yr

Completed research support

P30: DK 50306 (Rustgi, PI)

5/01-04/03

NIH/NIDDK

Pilot Project: Connecting colon tumors, p53, and a novel human cellular complex

INHAT

The pilot and feasibility study aims to analyze the role of INHAT in p53 acetylation

Univ. of Pennsylvania Cancer Center

8/1/02-2/29/04

Commonwealth of Pennsylvania health research formula funds

Novel activities regulating chromatin modification and transcription: implications in cancer

This pilot and feasibility project grant analyzes novel activities regulating histone deacetylation

Pilot project PI

P30: DK 19525, (Lazar, PI)

3/1/99-2/29/00

Pilot project: Roles of nuclear receptors in diabetes

The project investigated repression by PPAR $\gamma$

Pilot project PI

Research foundation of the University of Pennsylvania

6/15/99-06/14/00

Transcriptional repression by nuclear receptor corepressor NCoR

This pilot and feasibility project investigated the mechanism of repression by NCoR

The Thomas B. and Jeannette E. Laws McCabe Fund of university of Pennsylvania

7/1/99-6/30/00

Regulatory mechanisms controlling hormone and vitamin signaling

This pilot project analyzed regulation of nuclear receptor signaling

Pilot project PI

International Life Sciences Institute (ILSI), North America

Future leader award

02/15/00-2/14/02

## Mechanism of dietary fat-soluble vitamin A and thyroid hormone receptor function

This study was geared towards identification of novel NCoR interacting proteins.  
PI

### Bibliography:

#### Research Publications (peer reviewed):

1. Sengupta, D., Chakravarti, D., and Maitra, U.: Relative efficiency of utilization of promoter and termination sites by bacteriophage T3 RNA polymerase. *J. Biol. Chem.* 264: 14246-14255, 1989.
2. Chakravarti, D., Maitra, U.: Eukaryotic translation initiation factor 5 from *saccharomyces cerevisiae*: Cloning, characterization, and expression of the gene encoding the 45,346-Da protein. *J. Biol. Chem.* 268: 10524-10533, 1993.
3. Chakravarti, D., Maiti, T., and Maitra, U.: Isolation and immunochemical characterization of eukaryotic translation initiation factor 5 from *saccharomyces cerevisiae*. *J. Biol. Chem.* 268: 5754-5762, 1993.
4. Schulman, I.G., Chakravarti, D., Juguilon, H., Romo, A., and Evans, R.M.: Interactions between the retinoid X receptor and a conserved region of the TATA binding protein mediate hormone-dependent transactivation. *Proc. Natl. Acad. Sci. USA* 92: 8288-8292, 1995.
5. Chakravarti, D., LaMorte, V.J., Nelson, M.C., Nakajima, T., Schulman, I.G., Juguilon, H., Montminy, M., and Evans, R.M.: Role of CBP/P300 in nuclear receptor signalling. *Nature* 383: 99-103, 1996.
6. Zhang, J.J., Vinkemeier, U., Gu, W., Chakravarti, D., Horvath, C.M., and Damell, J.E. Jr.: Two contact regions between start and CBP/P300 in IFN- signaling. *Proc. Natl. Acad. Sci. USA* 93: 15092-15096, 1996.
7. Blumberg, B., Bolado, J., Derguini, F., Craig, A.G., Moreno, T.A., Chakravarti, D., Heyman, R.A., Buck, J., and Evans, R.M.: Novel retinoic acid receptor ligands in *Xenopus* embryos. *Proc. Natl. Acad. Sci. USA* 93: 4873-4878, 1996.
8. Chen, H., Lin, R.J., Schiltz, L., Chakravarti, D., Nash, A., Nagy, L., Privalsky, M.L., Nakatani, Y., and Evans, R.M.: Nuclear receptor co-activator ACTR is a novel histone acetyltransferase and forms a multimeric activation complex with P/CAF and CBP/p300. *Cell* 90: 569-580, 1997.
9. Nagy, L., Kao, H.Y., Chakravarti, D., Lin, R., Hassig, C.A., Ayer, D.E., Schreiber, S.L., and Evans, R.M.: Nuclear receptor repression mediated

by a complex containing SMRT, mSin3A, and histone deacetylase. *Cell* 89: 373-380, 1997. (Note: First three authors contributed equally and should be considered co-first authors).

10. Chakravarti, D., Ogryzko, V., Kao, H.-Y., Nash, A., Chen, H., Nakatani, Y., and Evans, R.M. A viral mechanism for inhibition of p300 and PCAF histone acetyltransferase activity. *Cell* 96: 393-403, 1999.
11. Seo, S-B., McNamara, P., Heo, S., Turner, A., Lane, W.S., and Chakravarti, D. Regulation of histone acetylation and transcription by INHAT, a novel human cellular complex containing the Set oncoprotein. *Cell* 104: 119-130, 2001.
12. McNamara, P., Seo, S-B, Rudic, R.D., Sehgal, A., Chakravarti, D., and FitzGerald, G.A. Regulation of CLOCK and MOP4 by nuclear hormone receptors in the vasculature: A humoral mechanism to reset a peripheral clock. *Cell* 105, 877-889, 2001.
13. Seo, S-B., Macfarlan, T., McNamara, P., Hong, R., Mukai, Y., Heo, S., and Chakravarti, D. Regulation of histone acetylation and transcription by nuclear protein pp32, a subunit of the INHAT complex. *J. Biol. Chem.* 277: 14005-14010, 2002
14. Cervoni, N., Detich, N., Seo, S.-B., Chakravarti, D., and Szyf, M. The Oncoprotein Set/TAF-Ib, an inhibitor of histone acetyltransferase, inhibits active demethylation of DNA, integrating DNA methylation and transcriptional silencing. *J. Biol. Chem.* 277: 25026-25031, 2002.
15. Hong, W., Kim, A.Y., Ky, S., Rakowski, C., Seo, S-B., Chakravarti, D., Atchison, M., and Blobel, G.A. Inhibition of CBP acetyltransferase activity by the Ets-family oncoprotein PU.1. *Mol. Cell. Biol.* 22: 3729-3743, 2002.
16. Li, F, Macfarlan, T., Pittman, R.N., and Chakravarti, D. Ataxin-3 is a histone binding protein with two independent transcriptional corepressor activities, *J. Biol. Chem.* 277: 45004-45012, 2002.
17. Van Leeuwen, H., Okuwaki, M., Hong, R., Chakravarti, D., Nagata, K., and O'Hare, P. Herpes simplex virus type 1 tegument protein VP22 interacts with TAF-I proteins and inhibits nucleosome assembly but not regulation of histone acetylation by INHAT. *J. Gen. Virol.* 84: 2501-2510, 2003.
18. Hong, R., and Chakravarti, D. The human proliferating cell nuclear antigen regulates transcriptional coactivator p300 activity and promotes transcriptional repression. *J. Biol. Chem.* 278: 44505-44513, 2003.
19. Curtis, A.M., Seo, S.B., Westgate, E.J., Rudic, R.D., Smyth, E.M., Chakravarti, D., FitzGerald, G.A., and McNamara, P. HAT-dependent chromatin remodeling and the vascular clock. *J. Biol. Chem.* 279: 7091-7097, 2004.

20. Kutney S.N., Hong, R., Macfarlan, T., and Chakravarti, D. A signaling role of histone binding proteins and INHAT subunits pp32 and Set/TAF-I□□in integrating chromatin hypoacetylation and transcriptional repression. *J.Biol. Chem.* 279: 30850-30855, 2004.
21. Hong, R., Macfarlan, T., Kutney, S.N., Seo, S.B., Mukai, Y., Yelin F., Pasternack, G.R. and Chakravarti, D. The identification of phosphorylation sites of pp32 and biochemical purification of a Cellular pp32-kinase. *Biochemistry.* 43, 10157-10165, 2004.
22. Macfarlan, T., Kutney, S., Altman, B., Montross, R., Yu, J., and Chakravarti, D. Human THAP7 is a chromatin associated, histone tail binding protein that represses transcription via recruitment of HDAC3 and nuclear receptor corepressor. *J.Biol. Chem.* 280, 7346-7358, 2005
23. Macfarlan, T., Parker, J.B., Nagata, K., and Chakravarti, D. Thanatos-associated protein 7 associates with template activating factor –Ibeta and inhibits histone acetylation to repress transcription. *Mol.Endo* (in press) Feb, 2006.

Contributions to peer-reviewed clinical research publications

None

Research Publications, non-peer reviewed:

None

Abstracts: (from past 3 years only)

Chakravarti, D., Seo, S.B., McNamara, P., Heo, S., and Turner, A. Regulation of histone acetylation and transcription by a novel human cellular complex, INHAT, Keystone Symposium on Mechanisms of Eukaryotic Transcriptional Regulation (C5), Colorado, March 28, 2001.

Chakravarti, D., Seo, S.B., McNamara, P., and FitzGerald, G. Hormones, HATs, INHAT, and transcriptional regulation. Keystone Symposium on Nuclear Receptor Superfamily (D4), Utah, April 13-19, 2002.

Chakravarti, D., McNamara, P., Seo, S.B., Sehgal, A., and FitzGerald, G. Hormones, HATs, & INHAT: Regulation of Circadian Timing & Transcription. The 84<sup>th</sup> Annual Meeting of the Endocrine Society, California, June 19-22, 2002.

Chakravarti, D., Kutney, S., Curtis, A., McNamara, P., Seo, S.B., Macfarlan, T., Hong, R., Sehgal, A., and FitzGerald, G. Hormones, HATs, & INHAT: Regulation of Circadian Timing & Transcription. A Joint International Symposium arranged by the Center for Biotechnology, Karolinska Institutet in collaboration with the summer University of Southern Stockholm, Sweden, August 25-28, 2002.

Curtis, A.M., Seo, S.B., Chakravarti, D., FitzGerald, G.A., McNamara, P. Dissecting the Vascular Clock: CLOCK/NPAS2: BMAL1 Transcriptional Activation is Regulated by the Histone Acetyltransferases p300/CBP and PCAF. *Arter. Thromb.Vasc. Biol.* 22: 878, 2002.

MacFarlan, T., Montross, R., and Chakravarti, D. TBIP, a Novel Transcriptional

Regulator Linking Chromatin Modifications and Transcriptional Repression.  
The Keystone Symposium on the Enzymology of Chromatin and  
Transcription, New Mexico, March 10-16, 2003.

Curtis, A.M., Westgate, E.J., Seo, S.B., Smyth, E.M., Chakravarti, D., FitzGerald, G.A.,  
McNamara P. Assembly of the Vascular Circadian Transcriptosome:  
The Role of Chromatin Remodeling. *Arter. Thromb.Vasc. Biol.* 23:  
a 1-a 83, 2003.

Editorial, Reviews, Chapters, and Participation in Committee Reports:

Chakravarti D. and Hong, R. SET-ting the stage for life and death. *Cell* 112: 589-  
591, 2003.

Books:

None

Alternative Media:

Chakravarti, D. The Role of Steroid Hormones and Vitamins as Drugs and Their  
Proper Use. (20-minute television interview/discussion on Indian TV  
program "Mukhomukhi" (Face to Face), January 23, 2004.

Patents:

None

Lectures by Invitation (for past five years)

- |            |  |
|------------|--|
| 3/28/2001  | "Regulation of histone acetylation and transcription by a novel human cellular complex, INHAT" – Keystone Symposium on Mechanisms of Eukaryotic Transcriptional Regulation, CO                             |
| 11/13/2001 | "Transcriptional regulation by hormones, Hats, and a histone masking complex, INHAT" – Student-invited Fourth Annual "Jorge Chevesich Memorial Lecture", Albert Einstein College of Medicine, New York, NY |
| 3/7/2002   | "Hormones, HATs, & INHAT: Regulation of transcription and circadian timing" – University of Texas Southwestern Medical School, Dallas, TX  |
| 3/8/2002   | "Hormones, HATs, & INHAT: Regulation of transcription and circadian timing" – University of Texas Medical Branch, Galveston, TX  |
| 4/13/2002  | "Hormones, HATs, & INHAT: Regulation of transcription and circadian timing" – Keystone Symposium on Nuclear Receptor Superfamily, Snowbird, UT   |
| 6/22/2002  | "Nuclear receptors and the peripheral clock" – The 84 <sup>th</sup> Annual Meeting of the Endocrine Society, June 19-22, 2002, San Francisco, CA   |
| 8/25/2002  | "Hormonal regulation of circadian clock and the INHAT complex" – International Center for Biotechnology  |

- Symposium on Nuclear Receptors, Stockholm, Sweden
- 9/13/2002 "The INHAT complex, transcriptional regulation and humoral regulation of a circadian clock" – University of Tokyo, Tokyo, Japan
- 9/13/2002 "Humoral regulation of the vascular clock, the INHAT complex, and translation of the histone code" – The 3<sup>rd</sup> Scientific Meeting on Endocrinology and Metabolism in Geriatric Medicine, Tokyo, Japan
- 2/11/2003 "The INHAT complex in transcriptional regulation and hormonal regulation of the vascular clock" – University of Texas Health Science Center, San Antonio, TX
- 5/14/2003 "The INHAT complex, Transcriptional regulation, and translation of the histone code" – The Johns Hopkins University School of Medicine. Baltimore, MD
- 9/4/2003 "The INHAT complex, transcriptional regulation, and translation of the histone code" – University of California, San Diego, CA
- 9/5/2003 "Hormonal regulation of a vascular clock and translation of the histone code by the INHAT complex" – X-Ceptor Therapeutics, San Diego, CA
- 10/13-16/03 "Multifunctional roles of apoptosis and NDP kinase/NM23 regulatory proteins, SET/TAF-1b and pp32: A transcriptional perspective" – 5th International Congress of the Genetics, Biochemistry and Physiology of NM23/NDP Kinase/AWD, Lexington, KY
- 12/02/03 "Transcriptional regulation and translating the histone code" – Uniformed Services University of the Health Sciences, Bethesda, MD
- 2/28-3/4/04 "Translating the histone code of transcriptional repression" – Keystone Symposium on Nuclear Receptors, Keystone, CO
- 1/7/04 "Regulation of transcription and circadian clock function" – National Brain Research Center, New Delhi, India
- 4/23/04 "Role of histone binding proteins in chromatin signaling" – University of Arizona, Tucson, AZ
- 9/17/04 "Roles of Chromatin signal transducer proteins in transcriptional repression" – Beckman Research Institute, City of Hope Medical Center, CA
- 12/21-23/04 Roles of chromatin signal transducer proteins in transcriptional regulation. International Meeting on RNA

metabolism. The Saha Institute of Biophysics, Kolkata, India

12/27/2004 Roles of chromatin signal transducer proteins in transcriptional regulation. National Institute of Immunology, Delhi, India

2/2005 Roles of chromatin signal transducer proteins in transcriptional regulation. University of California, Davis, CA

3/21/2005 Roles of chromatin signaling proteins in transcriptional regulation and hormone signaling. Northwestern University, Chicago, IL

05/2005 Chromatin associated THAP domain proteins in transcriptional regulation, Vanderbilt University, Nashville, TN

Organizing Roles in Scientific Meetings:

4/13/2002 Keystone Symposium on Nuclear Receptor Superfamily, Session Chair, Snowbird, UT