

*Curriculum Vitae (January 2005)*

**Cristian L. Achim, MD, PhD**, Associate Professor of Pathology and Neurology  
University of Pittsburgh School of Medicine (UPSOM)

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<http://path.upmc.edu/people/faculty/achim.html>



**EDUCATION AND TRAINING**

1979-1985 **M.D.**, General Medicine, Faculty of Medicine, Bucharest, Romania  
1985-1998 Residency in General Medicine and Infectious Diseases, Bucharest, Romania  
1989-1991 Postdoctoral Fellow in Neuropathology, University of California, San Diego, CA  
1990-1993 **PhD**, Experimental and Molecular Pathology, University of California, San Diego, CA  
1991-1993 Postdoctoral Fellowship Award, UC AIDS Task Force, UC San Diego, CA  
1993-1994 Postdoctoral Fellowship in Behavioral Neurosciences, University of Pittsburgh, PA  
2001 M-MBA, Katz School of Business, University of Pittsburgh, PA

**APPOINTMENTS**

1993-1994 Visiting Assistant Professor, Department of Pathology, University of Pittsburgh, PA  
1994-1999 Assistant Professor of Pathology, University of Pittsburgh SOM, Pittsburgh, PA  
1995- Graduate training faculty: SOM and CNUP, PhD and MD/PhD programs, Pittsburgh, PA  
1997- Associate Member, Univ. of Pittsburgh Cancer Institute, Pittsburgh, PA  
1999- Associate Professor of Pathology, with tenure, UPSOM, Pittsburgh, PA  
1999- Director, Postdoctoral Research Training Program, UPSOM, Pittsburgh, PA  
2001- Associate Professor of Neurology, secondary appointment, UPSOM, Pittsburgh, PA  
2001- Member, UPCI Brain Tumor Center, Pittsburgh, PA  
2001- Member, McGowan Institute for Regenerative Medicine, Pittsburgh, PA  
2001- Member, Board of Scientific Counselors, Pittsburgh Development Center, UPSOM, PA  
2002- Member, Institute of Molecular Medicine, University of Pittsburgh, PA  
2002-2004 Member, University of Pittsburgh School of Medicine Admissions Committee  
2005- Adjunct Associate Professor of Pathology, UCSD SOM, La Jolla, CA

**CERTIFICATION AND LICENSURE**

Medical Doctor, General Medicine, Institute of Medicine and Pharmacy, Board for the Diploma Examination, Bucharest, Romania, Sept. 1985, D#3/17.4.1986  
MMBA, Katz Graduate School of Business, Center for Executive Education, University of Pittsburgh, July 10, 2001

**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

American Association of Neuropathologists	1993
Society for Neuroscience	1995
American Society for Neural Transplantation and Regeneration	1996
International Society for Neurovirology (founding member)	1999
Stem Cell Society (founding member)	2001
American Society for Investigative Pathology	2002

## PATENTS

**Achim CL**, Avramut M, Zeevi A. Immunophilin ligands and neurotrophic factor treatments improve integration of second trimester human neuroglial cell transplants. University of Pittsburgh, full patent application filed with the US Patent and Trademark Office. March 2002. Supplemental information in response to the USTPO review, filed Oct. 2003. Final version reviewed in 2004. Pending, 2005.

## PUBLICATIONS

1. **Achim CL**, Morey MK and Wiley CA: Expression of MHC and HIV antigens within the brains of AIDS patients. *AIDS*, 5:535-541, 1991.
2. **Achim CL**, and Wiley CA: Expression of MHC antigens in the brains of patients with PML. *J. Neuropathol. Exp. Neurol.*, 51:257-263, 1992.
3. Masliah E, **Achim CL**, Ge N, DeTeresa R, Terry RD and Wiley CA: Spectrum of HIV associated neocortical damage. *Ann. Neurol.*, 32:321-329, 1992.
4. Masliah E, Ge N, **Achim CL**, Hansen LA and Wiley CA: Selective neuronal vulnerability in HIV encephalitis. *J. Neuropathol. Exp. Neurol.*, 51: 585-593, 1992.
5. Wiley CA, **Achim CL**, Schrier RD, Heyes MP, McCutchan JA and Grant I : Relationship of cerebrospinal fluid immune activation associated factors to HIV encephalitis. *AIDS*, Vol.6: 1299-1307, 1992.
6. **Achim CL**, Heyes MP and Wiley CA : Quantitation of HIV, immune activation factors and quinolinic acid in AIDS brains. *J. Clin. Invest.*, 91:2769-2975, 1993.
7. Achim, CL, Nagra RM, Wang R, Nelson JA and Wiley CA : Detection of CMV in CSF autopsy specimens from AIDS patients. *J. of Infect. Dis.*, 169:623-625, 1993.
8. Achim CL, Wang R, Miners DK and Wiley CA : Brain viral burden in HIV infection. *Journal of Neuropathology and Experimental Neurology*, 53:284-294, 1994.
9. Wiley CA and **Achim CL** : HIV encephalitis is the pathological correlate of dementia in AIDS. *Annals of Neurology*, 36:673-676, 1994.
10. **Achim CL**, Miners DK, Burrola PG, Martin FC and Wiley CA : In vivo model of HIV infection of the human brain. *Journal of Developmental Neuroscience*, 15:423-432, 1994.
11. Hamilton RL, **Achim CL**, Graffe MR, Fremont JC, Miners D and Wiley CA: HSV brainstem encephalitis in an AIDS patient. *Clinical Neuropathology*, 14:45-50, 1995.
12. Masliah E, Ge N, **Achim CL** and Wiley CA : Cytokine receptor alterations during HIV infection in the human CNS. *Brain Research*, 663:1-6, 1994.
13. Bylsma SS, **Achim CL**, Wiley CA, Gonzales C, Kupperman BD, Berry C and Freeman WR : The predictive value of CMV retinitis of CMV encephalitis in AIDS. *Archives of Ophthalmology*, 113: 89-95, 1994.
14. Heindel WC, Jernigan TL, Archibald SL, **Achim CL**, Masliah E and Wiley CA: The relationship of quantitative brain magnetic resonance imaging measures to neuropathologic indexes of human immunodeficiency virus infection. *Archives of Neurology*, 51: 1129-35, 1994.
15. Masliah E, Ge N, **Achim CL** and Wiley CA: Differential vulnerability of calbindin-immunoreactive neurons in HIV encephalitis. *Journal of Neuropathology & Experimental Neurology*, 54: 350-357, 1995.
16. Hammond RR, **Achim CL** and Wiley CA : Neuropathology of the Retina in AIDS. *Seminars in Ophthalmology*, 10: 177-182, 1995.
17. **Achim CL**, Masliah E, Heyes MP, Sarnacki PG, Hilty C, Baldwin M, Ge N and Wiley CA Macrophage activation factors in the brains of AIDS patients. *Journal of NeuroAIDS*. 1:1-16, 1996.
18. Reddy RT, **Achim CL**, Sirko DA, Tehranchi S, Kraus FG, Wong-Staal F, Wiley CA: Sequence analysis of the V3 loop in brain and spleen of patients with HIV encephalitis. *AIDS Research and Human Retroviruses* 12:477-482, 1996.
19. Wiley CA, Baldwin M, **Achim CL**: Expression of HIV regulatory and structural messages in the central nervous system, *AIDS*, 10:843-847, 1996.
20. Heyes MP, **Achim CL**, Wiley CA, Major EO, Saito K, Markey S: Human microglia convert L-tryptophan into the neurotoxin quinolinic acid. *Biochemical Journal* 320:595-597, 1996.

21. **Achim CL**, Katyal S, Wiley CA, Shiratori M, Wang G, Oshika E, Petersen BE, Li JM, Michalopoulos GK: Expression of HGF and cMet in the developing and adult brain. *Developmental Brain Research*, 102:299-303, 1997.
22. Fox L, Alford M, **Achim CL**, Mallory M, Masliah E. Neurodegeneration of somatostatin-reactive neurons in HIVE. *Journal of Neuropathology and Experimental Neurology*, 56:360-368, 1997.
23. Soontornniyomkij V, Nieto-Rodríguez JA, Martínez AJ, Kingsley LA, **Achim CL**, Wiley CA. Brain HIV burden and length of survival after AIDS diagnosis. *Clin Neuropathol*, 17:95-99, 1998.
24. Randall KA, **Achim CL.**, Wiley CA, and Dallasta LM. Electron microscopic demonstration of the photo-conversion of a fluorescent label in cerebral endothelial cells. *Cell Vision*, 4: 101-102, 1997.
25. Soontornniyomkij V, Wang G, Kapadia SB, **Achim CL**, Wiley CA: Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1. *Arch Pathol Lab Med* 122:534-538, 1998.
26. Wiley CA, Soontornniyomkij V, Radhakrishnan L, Masliah E, Mellors J, Hermann SA, Dailey P, **Achim CL**. Distribution of brain HIV load in AIDS. *Brain Pathol* 8:277-284, 1998.
27. Sanders VJ, Pittman CA, White MG, Wang G, Wiley CA, **Achim CL** Chemokines and receptors in HIV encephalitis. *AIDS*, 12:1021-1026, 1998.
28. Soontornniyomkij V, Wang G, Pittman CA, Wiley CA, **Achim CL**. Expression of brain-derived neurotrophic factor protein in activated microglia of HIV-1 encephalitis. *Neuropathol Appl Neurobiol*, 24:453-460, 1998.
29. Sanders VJ, Mehta AP, White MG, **Achim CL** A murine model of HIV encephalitis: xenotransplantation of HIV infected human neuroglia into SCID mouse brain. *Neuropathol Appl Neurobiol*, 24:461-67, 1998.
30. Heyes MP, Saito K, Lackner A, Wiley CA, **Achim CL**, Markey SP. Sources of the neurotoxin quinolinic acid in the brain of HIV-1 infected patients and retrovirus-infected macaques. *FASEB J*, 12:881-96, 1998.
31. White MG, Hammond RR, Sanders VJ, Bonaroti EA, Mehta AP, Wang G, Wiley CA, **Achim CL** Neuron Enriched Second Trimester Human Cultures: Growth Factor Response and In Vivo Graft Survival. *Cell Transplantation*, 8:59-73, 1999.
32. Wang G, **Achim CL**, Hamilton RL, Wiley CA and Soontornniyomkij V. Tyramide Signal Amplification Method in Multiple-Label Immunofluorescent Confocal Microscopy. *Methods*, 18: 459-464, 1999.
33. Soontornniyomkij V, Wang G, Pittman CA, Hamilton RL, Wiley CA and **Achim CL**. Absence of BDNF and trkB receptor immunoreactivity in glia of AD. *Acta Neuropathol.*, 98:345-348, 1999.
34. Dallasta LM, Pisarov LA, Esplen JE, Werley JV, Moses AV, Nelson JA and **Achim CL**. Blood brain barrier tight junction disruption in HIVE. *American Journal of Pathology*, 1999. 155(6): p. 1915-1927.
35. Wiley CA., **Achim CL**, et al. HIV mediates a productive infection of the brain. *AIDS*, 1999. 13(15): p.2055-9.
36. Luabeya, M, Dallasta LM, **Achim CL**, Pauza CD, Hamilton RL. Blood-brain barrier disruption in simian immunodeficiency virus encephalitis. *Neuropathol Appl Neurobiol*, 2000. 26(5): p. 454-62.
37. Dallasta LM, Wang G, Bodnar RJ, Draviam R, Wiley CA, **Achim CL**, Hamilton RL. Differential expression of intercellular adhesion molecule-1 and vascular cell adhesion molecule-1 in chronic murine retroviral encephalitis. *Neuropathol Appl Neurobiol*, 2000. 26(4): p. 332-41.
38. **Achim CL** and White MG. Brain derived neurotrophic factor and neurodegeneration. 1999. *Exp. Opin. Ther. Patents* 9:221-225
39. Wiley CA, **Achim CL**, Hammond R, Love S, Masliah E, Radhakrishnan L, Sanders V, Wang G. Damage and repair of DNA in HIV encephalitis. *J Neuropathol Exp Neurol*, 2000. 59: 955-65.
40. Jordan-Sciotto KL, Murray Fenner BA, Wiley CA and **Achim CL**. Response of Cell Cycle Proteins to Neurotrophic Factor and Chemokine Stimulation in Human Neuroglia. *Exp Neurol*, 2001. 167: 205-214.
41. Kondziolka D, Tyler-Kabara E and **Achim CL**. Cellular Therapies for Neurodegenerative Diseases. *Clinical Neurosurgery*. 2001. 145-173

42. Couce ME, Green D, Brunetto A, Lloyd RV, **Achim CL** and Burguera B. Limited Brain Access for Leptin in Obesity. 2001. *Pituitary* 4: 101-110.
43. Avramut, M., Zeevi, A. and **Achim, C.L.** The immunosuppressive drug FK506 is a potent trophic agent for human fetal neurons. 2001. *Developmental Brain Research*. 132: 151-157.
44. **Achim CL** et al. (authors listed in alphabetical order). Democratic consensus on neuropathological disease criteria. 2002. *The Lancet; Neurology*. 1:340
45. Kondziolka D, Wechsler L, **Achim CL**. Neural transplantation for stroke. 2002. *Journal of Clinical Neuroscience* 9: 225-230
46. Hammond RR, Iskander S, **Achim CL**, Hearn S, Nassif J, Wiley CA. A reliable primary human CNS culture protocol for morphological studies of dendritic and synaptic elements. 2002. *J Neurosci Methods*. 118: 189-98.
47. Harrold SM, Wang G, McMahon DK, Riddler SA, Mellors JW, Becker JT, Caldararo R, Reinhart TA, **Achim CL**, Wiley CA. Recovery of replication-competent HIV-1 infected circulating monocytes from individuals receiving antiretroviral therapy. 2002 *AIDS Res Hum Retroviruses*. 18:427-34.
48. Jordan-Sciutto KL, Dorsey R, Chalovic, EM, Hammond RR, **Achim CL**. Expression patterns of retinoblastoma protein in Parkinson's disease. 2003. *J Neuropathol Exp Neurol*. 62: 68-74.
49. Halks-Miller M, Schroeder ML, Haroutunian V, Moening U, Rossi M, **Achim CL**, Purohit D, Mahmoudi M, Horuk R. CCR1 is an Early and Specific Marker of Alzheimer's Disease. 2003. *Annals of Neurology*. <http://www3.interscience.wiley.com/cgi-bin/jissue/78504407>
50. Avramut M and **Achim CL**. Immunophilins in nervous system degeneration. 2003. *Curr Top Med Chem*. 3: 1376-82.
51. Li S, Vujanovic N, **Achim CL**, et al. A novel N-CAM epitope defines precursors of human adherent NK cells. 2004. *Journal of Leukocyte Biology*. 76:1187-99.
52. **Achim CL**, Masliah E, Schindelar J, Avramut M. Immunophilin expression in the HIV infected brain. 2004. *Journal of Neuroimmunology*. 157:126-132.
53. Green DA, Masliah E, Vinters HV, Beizai P, Moore DJ, **Achim CL**. Brain deposition of beta-amyloid is a common pathologic feature in HIV positive patients. 2005. *AIDS*. In press.

#### **Reviews, invited papers, Book chapters**

1. **Achim CL**, Schrier RD and Wiley CA: Immunopathogenesis of HIV encephalitis. *Brain Pathology*, 1:177-184, 1991.
2. Wiley CA, Schrier RD, Morey M, **Achim CL**, Venable JC and Nelson JA: Pathogenesis of HIV encephalitis, *Acta Pathol. Jap.*, 41:192-196, 1991.
3. **Achim CL** and Wiley CA: In vivo model of HIV infection of the human brain. *Advances in Neuroimmunology*, 1994.
4. Masliah E, **Achim CL**, Ge N, DeTeresa R and Wiley CA : Cellular Neuropathology in HIV encephalitis. In "HIV, AIDS and the Brain" (Raven Press), edited by Price, R.W. and Perry, S.W. , 1994.
5. **Achim CL**, Wiley CA: Inflammation in AIDS and the role of the macrophage in brain pathology. *Current Opinion in Neurology*. 9:221-5, 1996.
6. **Achim CL** and Wiley CA : AIDS dementia complex and other conventional virus related dementia. *Neuropathology of Dementing Disorders*. Editor: William R. Markesbery; Published by Edward Arnold, 1998.
7. Harrold S, Dragich, JM, Brown SL and **Achim CL**. Neurotrophic factor regulation of human immunodeficiency virus type 1 replication in human blood-derived macrophages through modulation of coreceptor expression. 2000. *Adv. Exp. Med. Biol*. 493: 41-47
8. Kondziolka D, Tyler-Kabara E, and **Achim CL**. Neural Transplantation. *Encyclopedia of the Human Brain*. 2002. Academic Press. Vol.1: 1-18.
9. Avramut, M. and **Achim, C.L.** Immunophilins: insights into survival and growth of human neurons. 2002. *Physiology and Behavior*, 77: 4-5.
10. Avramut, M. and **Achim, C.L.** Immunophilins: new indicators of degeneration and regeneration in the nervous system. 2004. *Current Trends in Molecular Medicine*.

## RECENT POSTERS and PRESENTATIONS

1. New markers of neuronal degeneration in HIV infection. **Achim CL**, Avramut M, Schindelar J, Murray-Fenner B, Green DA. 2004. Keystone Symposia: HIV pathogenesis. Whistler, BC, Canada. April 2004
2. Neuronal degeneration in the HAART era. **Achim CL**, Green DA, Avramut M. 2004. NIH Workshop: Molecular mechanisms of HIV-associated neurodegeneration. Washington, DC. June 3-4.
3. AD pathology in the HIV brain. **Achim CL**, Masliah E, Vinters HV, Green DA. 2004. 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders. Philadelphia, July 17-22
4. Axonal degeneration in the HIV brain. **Achim CL**, Green DA, Avramut M, Schindelar J, Knight D, and Masliah E. 2004. International Society for Neurovirology Meeting. Sardinia, Italy, September.
5. HIV-associated neurodegeneration in the HAART era. **Achim CL**, Avramut M, and Green DA. 2004. Bridges in Life Sciences International Conference. Bucharest, Romania, October 14-16.
6. Beta-amyloid in the HIV brain. **Achim CL**, Masliah E, Vinters HV, Schindelar JA, Green DA. 2004. Society for Neuroscience Meeting. San Diego, CA. October 22-26.
7. Is beta-amyloid deposition a cofactor in the HIV-associated neurologic disease? **Achim CL**, Masliah E, Vinters HV, Mathis C, Green DA. March, 2005. 7<sup>th</sup> International AD/PD Conference, Sorrento, Italy.
8. Neuronal chaperone dysfunction in PD: immunophilins and the truncated BDNF receptor as markers of disease. **Achim CL**, Avramut M, Hammond RR, Tatro ET, Stolz DB, Fenner BM. March, 2005. 7<sup>th</sup> International AD/PD Conference, Sorrento, Italy.
9. Brain immunophilins as early markers of neurodegeneration. **Achim CL**, Tatro ET, Esplen JE, Avramut M. April, 2005. FASEB/ASIP Meeting, San Diego, CA.

## MANUSCRIPTS SUBMITTED

1. Substrate induced neuronal differentiation of mouse embryonic stem cells. Green DA, Acosta CM, Michalopoulos GK, **Achim CL**. Stem Cells journal.
2. Truncated trkB facilitates the endocytic sorting of internalized BDNF in differentiated SH-SY5Y cells. Fenner BM, Stolz DB, **Achim CL**. Journal for Neuroscience.
3. TrkB protein distribution is altered in Parkinson's Disease. Fenner BM, Hammond RR, Stolz DB, **Achim CL**. Journal for Neuropathology and Experimental Neurology.
4. Brain immunophilins as early markers of neuronal reactivity in a primate model of dopaminergic loss. Tatro ET, Avramut M, Trichel A, **Achim CL**. Experimental Neurology.

## INVITED SPEAKER (extramural)

UCLA "Keystone Symposia" (Frontiers in HIV pathogenesis), Albuquerque, NM, March 1993  
American Association of Neuropathologists, Salt Lake City, UT, June 1993  
Third Workshop on Neuro-AIDS, NIAID, Portland, ME, August 1993  
American Society for Neurotransplantation, Clearwater Beach, Florida, April 1995 and 1996  
American Association of Neuropathology, San Antonio, Texas, June 1995  
International Society for Neurotransplantation, San Diego, February, 1997  
American Society for Neurotransplantation, Clearwater Beach, FL, April 1998  
American Association of Neuropathology Meeting, Minneapolis, MN, June 1998  
NIH 7th Annual Conf. on Neuroimmune Circuits and Infectious Diseases, Bethesda, MD, Oct. 1999  
Society for Neuroscience Satellite Symposium, Immunophilins in the brain, San Diego, CA, Nov. 2001  
International Society for Neurovirology, Dusseldorf, Germany, June 2002  
American Association of Neuropathologists, Orlando, Florida, June 2003  
International Society of Neurovirology, Baltimore, MD, September 2003  
International Society of Neuropathology, Torino, Italy, September 2003  
NIH Workshop on Molecular Mechanisms of HIV CNS Disease, Washington, DC, June 2004

9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders. Philadelphia, July 17-22  
(Hot Topics Special Session preceded by a Press Conference)  
Bridges in Life Sciences International Conference. Bucharest, Romania, October 14-16, 2004. Pediatric  
AIDS session

### **JOURNAL REVIEWER**

AIDS, American Journal of Pathology, Annals of Neurology, Brain Pathology (editor), Investigative  
Ophthalmologic Visual Sciences, Journal of Clinical Investigation, Journal of Neuropathology &  
Experimental Neurology, Journal of Immunology, Journal of Infectious Diseases, Journal of Virology,  
Journal of Neurosciences, Journal of Neurovirology, Nature, Neuropathology and Applied Neurobiology

### **GRANT REVIEWER**

VA Medical Center, Washington, DC, 1993  
Wellcome Trust – 1994 & 1998  
NIH/NIMH: ad-hoc committees, 1996, 1997  
Small Business Initiative Research study sections, 1996 & 1997  
NIH Clinical Neurosciences-4 (BDCN-4) Study section, 1998  
External Advisory Board: HIV Neurobehavioral Center, UC San Diego, 1999  
NIDA Special Emphasis Panel, ZDA1 MXV-P 15, Washington DC, July 2000  
Scientific Advisory Board, CFAR/HNRC, Pilot grants, UC San Diego, January 2001  
NIMH Special Emphasis Panel, ZMH1 BRB-S (01), Bethesda MD, June 2001  
NIMH/NINDS OAR Special Emphasis Panel, August 2002  
NIMH ZRG1-AARR-5 (02), December 2002  
NIH BSCH October 2003  
UCSD HNRC Developmental Grant External Reviewer, 2002 - 2005

### **TEACHING**

Molecular Pathobiology (MSCMP 2740)

- **Course director**; 3 credits, Jan-Apr. 1998 and 1999, September – December 2000, and 2001,  
- spring 2003, spring 2004, spring 2005

Cellular and Molecular Mechanisms of Neurodegeneration (MSCMP 3720)

- **Course director**; 3 credits, Jan-Apr 1998, 1999 and 2001

Current Topics in Experimental Neuropathology (MSCMP 3730); seminar series

- Course director; 1 credit; 1998-2000

Tissue Growth and Differentiation (MSCMP); Lecturer, spring 2002; spring 2004, spring 2005

Stem Cell Course (MSCMP); fall 2002; fall 2003, fall 2004, lecturer

Cellular Therapy (MSCMP/Bioengineering 3770); summer 2004, lecturer

### **MENTORSHIP**

#### **Undergraduate students**

Jen Hooks, 1995-1996, University of Pittsburgh

Ken Margolis, 1994-1995: Pediatric AIDS Foundation Student Intern Award

Michael White, 1994-1996, University of Pittsburgh

Rob Quarles, 1995-1996, University of Pittsburgh: minority pre-med program

Louise Stevenson, 1996, University of Pittsburgh: minority pre-med program

Julia Choosy, 1996-1997, Hampshire College, CT: Howard Hughes undergraduate fellow

Jamie Maguire, 1998-1999, University of Pittsburgh: CNUP fellow

Joanna Dragich, 1998-1999, Carnegie Mellon University, Pathology fellow, UPSOM

Luis Durand, 2000, University of Pittsburgh: minority pre-med program

Katherine Schmidt, 2000, University of Colorado: CNUP summer fellow

William Stauffer, 2000-2001, University of Pittsburgh: NIMH undergraduate fellow  
Cyrus Raji, 2001, University of Pittsburgh: SURP fellow, UPSOM  
Corina Petre, 2001, Muskingum College, OH: SURP fellow, UPSOM, 2002 summer CNUP fellow  
Christina Maria Acosta, CMU, 2002, summer undergraduate fellowship, MSTP, UPSOM  
Dan Knight, 2004-2005, University of Pittsburgh

### **Graduate Students and Postdoctoral Fellows**

Karen Sadler, 1995-1997: University of Pittsburgh Center for Neuroscience, MS Degree  
Brent Snee, 1996: SOM summer research program  
Robert Hammond, MD, 1994-1995: Postdoctoral Fellow  
Eugene Bonaroti, MD, 1995-1997: Neurosurgery Resident  
Virginia Sanders, Ph.D, 1996-1998: Postdoctoral Fellow  
Virawudh Soontornyomkij, MD, 1996-1998: Postdoctoral Fellow  
Linda Dallasta, MD, PhD, 1996-2000: Postdoctoral Fellow  
Sharon Harrold, PhD, 1998-2000: Postdoctoral Fellow  
Rafael Medina-Flores, MD, 2002- 2003: Neuropathology postdoctoral fellow  
Doug Green, 2000-2003: graduate student, (MD/PhD program), PhD thesis defense: Oct. 2, 2003  
Mihaela Avramut, MD, 1999- 2003: PhD student; Postdoctoral Fellow, 2004  
Barbara Fenner, 2000- 2004: graduate student, PhD Thesis Defense: December 16, 2004  
Erick T. Tatro. 2004; graduate student  
Cecelia Yates, 2005, graduate student

### **UNIVERSITY SERVICE**

Organized the research arm of the Division of Neuropathology (1993-95).  
Quality assurance for the clinical lab in the Division of Neuropathology (1995-1997)  
Co-Director of the ADRC Neuropathology Core; brain banking (1993- 1998).  
Director, AIDS brain banking (1993-2000)  
Admission Committees (1998-2000): SOM PhD, CNUP and Pathology Residency  
Interviewer and Recruiter (1996- present): MD, MD/PhD, PhD and Pathology Residency Programs  
Founder and Director of the Pathology Postdoctoral Research Training Program, 1999- present  
School of Medicine Admission Committee: 2002- 2004  
Mentor, Scholarly Project (new graduation requirement), Univ. of Pittsburgh SOM, 2005-

### **AWARDS:**

American Association of Neuropathology Fellow, The XIIth International Congress of Neuropathology, 1994, Toronto, Canada

### **RESEARCH GRANTS**

#### **Previous fellowships and grants -direct costs**

1989 - 1991 NINDS training grant in Neuropathology; UC San Diego, (salary support)  
1991 - 1993 Universitywide AIDS Task Force (salary support and \$20,000 for supplies)  
1993 - 1994 NIMH training grant, University of Pittsburgh (salary support)  
1993 - 1995 Pediatric AmFAR Scholar (\$70,000)  
1996 - 1997 ADRC Pilot Grant (\$14, 000)  
1998 - 1999 Parkinson Center of Excellence Pilot Grant (\$25,000)  
1995 - 1999 R01: Blood brain barrier in retroviral encephalitis (\$770,896)  
1995 - 2000 R29: Murine Model of HIV infection of the human brain (\$523,542)  
1998 - 1999 Pittsburgh Foundation: Brain macrophages in AIDS dementia (\$50,000)  
1996 - 2000 R01: Neurotrophic factors in HIV encephalitis (\$901,608): co-PI  
1991 - 2002 R01: Role of Immune Responsiveness in HIV encephalopathy (\$1,250,000); co-PI  
1998 - 2004 R01: AIDS Brain Macrophages: viral spread and neurotoxicity (\$1,200,000); PI 35%

## **Current Funding**

R21 NIMH/NINDS, PET imaging of b-amyloid in the HIV brain. Priority Score: 141. Principal Investigator: Achim CL (30%). Funding period: 03/01/05 – 02/28/07, direct costs: \$300,000.

R01 NS41202-01, Role of Cell Cycle Proteins in HIV Encephalitis (P.I. Jordan-Sciutto K)  
Co-Investigator: Achim CL (5%), 12/01/00 – 11/30/05, \$1,200,000 (direct costs)

## **Pending (as Principal Investigator)**

R01 NIMH/NINDS, Immunophilin response in HIV associated neurodegeneration (submitted); proposed funding period: 07/01/05 – 06/30/10, direct costs: 1,000,000.

R21/R33 NINDS, Immunophilins: early markers of neurodegeneration; funding period: 09/01/05 – 08/31/10, direct costs \$750,000