

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Timothy Paul Angelotti		POSITION TITLE Assistant Professor of Anesthesia	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Notre Dame	BS	1981-1985	Chemistry
University of Michigan	PhD	1985-1994	Pharmacology
University of Michigan	MD	1985-1994	Medicine
St. Joseph Mercy Hospital, Ann Arbor MI	Intern	1994-1995	Internal Medicine
Technical University - Munich, Germany	Postdoctoral Fellow	1995-1996	Molecular Pharmacology
Duke University Medical Center	Resident	1997-1999	Anesthesiology
Stanford University Medical Center	Fellow	1999-2000	Critical Care Medicine

A. Positions and Honors**Positions and Employment**

1984/1985 Summer Research Assistant, Dow Corning Corporation, Midland, MI
 1988-1990 Teaching Assistant, Department of Pharmacology, University of Michigan, Ann Arbor, MI
 1993-1994 Lecturer, Department of Pharmacology, University of Michigan Ann Arbor, MI
 1994- Postdoctoral Fellow, Department of Biological Chemistry, University of Michigan, Ann Arbor, MI
 1998-1999 Chief Resident, Department of Anesthesiology, Duke University Medical Center, Durham, NC
 2000-present Assistant Professor of Anesthesia, Stanford University, Stanford, CA

Other Experience and Professional Memberships

1988-1989 President, Alpha Omega Alpha, Michigan Alpha Chapter, Ann Arbor, MI
 1988 Member, Society for Neuroscience
 1994 Member, American Society of Pharmacology and Experimental Therapeutics
 1998-1999 Member, Institutional Committee for Graduate Medical Education, Duke University, Durham, NC
 1999 Member, International Anesthesia Research Society
 2000-present Associate Medical Director, Life Flight Air Transport, Stanford University, Stanford, CA
 2003-present Anesthesia and Life Support Drugs Advisory Committee, Food and Drug Administration

Honors

1985-1987 Pharmacological Sciences Training Program Fellowship (NIGMS)
 1986-1994 Fellow, Medical Scientist Training Program (MSTP), University of Michigan
 1988-1990 Pharmaceutical Manufacturers Association Foundation Pre-doctoral Fellowship
 1990-1991 Basic Neuroscience Training Grant Fellowship (NINDS)
 1992 Chapter Award, Michigan Chapter of the Society for Neuroscience
 1993 Sandoz Award for Excellence in Neurological Research, University of Michigan
 1994 Dean's Award for Research Excellence, University of Michigan
 1995-1996 Alexander von Humboldt Foundation Postdoctoral Fellowship, Germany

Certifications

2000 Anesthesiology (American Board of Anesthesiology)
2001 Critical Care Medicine Subspecialty Certification (American Board of Anesthesiology)

B. Publications (in chronological order):

Selected peer-reviewed publications

1. **Angelotti TP**, Crisko J, O'Conner T, Serianni AS. (1-13C) Aldono-1,4-lactones: Conformational studies based on proton-proton, proton-carbon-13, and carbon-13-carbon-13 spin couplings and *ab initio* molecular orbital calculations. J Am Chem Soc 1987;109:4464-4472.
2. Burns G, **Angelotti TP**, Hanneman LF, Chandra G, Moore JA. Alkyl and arylsilsequiazanes: Effect of the R group on polymer degradation and ceramic char composition. J Materials Sci 1987;22:2609-2614.
3. **Angelotti TP**, Clarke MF, Longino MA, Emerson SG. Biotinylated Granulocyte/Macrophage Colony-Stimulating Factor analogs: Effect of linkage chemistry on activity and binding. Bioconj Chem 1991;2:466-474.
4. **Angelotti TP**, Tan F, Chahine K, Macdonald RL. Molecular and electrophysiological characterization of an allelic variant of the rat alpha6 GABAA receptor subunit. Mol Brain Res 1992;16:173-178.
5. Porter NM, **Angelotti TP**, Twyman RE, Macdonald RL. Kinetic properties of alpha1beta1 GABAA receptor channels expressed in CHO cells: Regulation by pentobarbitone and picrotoxin. Mol Pharm 1992;42:872-881.
6. **Angelotti TP**, Uhler MD Macdonald, RL. Assembly of GABAA receptor subunits: Analysis of transient single cell expression utilizing a fluorescent substrate/marker gene combination. J Neurosci 1993;13:1418-1428.
7. **Angelotti TP**, Macdonald RL. Assembly of GABAA receptor subunits: alpha1beta1 and alpha1beta1gamma2S subunits produce unique ion channels with dissimilar single-channel properties. J Neurosci 1993;13:1429-1440.
8. **Angelotti TP**, Uhler MD, Macdonald RL. Enhancement of recombinant gamma-aminobutyric acidA receptor currents by chronic activation of cAMP-dependent protein kinase. Mol Pharm 1993;44:1202-1210.
9. Macdonald RL, **Angelotti TP**. Native and recombinant GABAA receptor channels. Cell Physiol Biochem 1993;3:352-373.
10. Gamm DM, Francis SH, **Angelotti TP**, Corbin JD, Uhler MD. The Type II isoform of cGMP-dependent protein kinase is dimeric and possesses regulatory and catalytic properties distinct from the Type I isoforms. J Biol Chem 1995;270:27380-27388.
11. Lin YF, **Angelotti TP**, Dudek EM, Browning MD, Macdonald RL. Enhancement of recombinant alpha1beta1 gamma2L gamma-aminobutyric acid(A) receptor whole-cell currents by protein kinase C is mediated through phosphorylation of both beta 1 and gamma 2L subunits. Mol Pharm 1996;50:185-195.
12. **Angelotti T**, Hofmann F. Tissue-specific expression of splice variants of the mouse voltage-gated calcium channel alpha2delta subunit. FEBS Letters 1996;397:331-337.
13. Kubota Y, **Angelotti T**, Niederfellner G, Herbst R, Ullrich A. Activation of PI3-kinase is necessary for differentiation of FDC-P1 cells following stimulation of Type III receptor tyrosine kinases. Cell Growth Diff 1998;9:247-256.
14. Martell KJ, **Angelotti T**, Ullrich A. The "VH-1" dual specificity protein tyrosine phosphatases. Molecules and Cells 1998;8:2-11.
15. **Angelotti T**, Krishna G, Scott J, Berry G, Weinacker A. Nodular invasive tracheobronchitis due to Aspergillus in a patient with systemic lupus erythematosus. Lupus 2002;11:325-328.
16. Doyle C, **Angelotti T**. Detection of an unsuspected maternal hemorrhage via a fetal heart rate tracing. J Clin Anesth (in press).

Book Chapters

Angelotti T and Lemmens H. "Liver/Kidney Transplantation" in Anesthesiologist's Manual of Surgical Procedures, 3rd ed. (eds. R. Jaffe and S. Samuels) Lippincott Williams and Wilkins (Philadelphia), pp. 537-560, 2003.

C. Research Support

Ongoing Research Support

None

Pending Research Support

Beginning Grant-in-Aid 07/01/2004 – 06/30/2006

American Heart Association – Western States Affiliate

"Sympathetic neuron adrenergic receptor expression and regulation by nerve-myocyte interaction and activity"

This study will investigate sympathetic neuron-cardiac myocyte interactions and their effects on α_2 adrenergic receptor expression and location.

Role: PI

Completed Research Support

New Investigator Award 07/01/2001 – 06/30-2004

Foundation for Anesthesia Education and Research (FAER)

"Genetic manipulation of mice for the analysis of *in vivo* adrenergic receptor pharmacology and physiology"

This study attempted to develop a "knock-in" transgenic mouse model to investigate β adrenergic receptor function *in vivo* and *in vitro*.

Role: PI