

DR. CHARLES E. INTURRISI

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Weill Cornell Medical College

LC-519A Pharmacology

1300 York Ave

New York, NY 10065

**Education:**

1962 - B.S. (Pharmacy), University of Connecticut

1965 - M.S. (Pharmacology), Tulane University

1967 - Ph.D. (Pharmacology), Tulane University

**Current Appointments:**

Professor of Pharmacology, Weill Medical College of Cornell University

Professor, Program in Pharmacology, Weill Graduate School of Medical Sciences of Cornell University

Professor, Program in Neuroscience, Weill Graduate School of Medical Sciences of Cornell University

**Research Interests:**

Dr. Inturrisi's current research activities are directed to a determination of the comparative effectiveness of interventions used for chronic pain management. This research is prospectively and retrospectively examining the long term outcomes of treatments for chronic cancer and noncancer pain received by patients at the 3 New York City hospital-based outpatient Pain Clinics. The effectiveness information obtained will allow a determination of which patients benefit from the currently available interventions used for the management of chronic pain and the cost effectiveness of these treatments. This approach should improve pain management worldwide. Dr. Inturrisi continues to have an interest the role of glutamate receptors in injury-induced pain opioid tolerance, dependence and addictive behaviors. These employ molecular genetic approaches (Cre-loxP and siRNA) to produce spatial knockouts of selected receptors and signaling proteins. These studies are intended to discover new treatments for pain and drug addiction.

**Awards and Honors:**

Andrew W. Mellon Teacher-Scientist, 1974-76.

Litchfield Lecturer, 1981-82, Nuffield Department of Anaesthetics, University of Oxford, England.

PANG International Guest Lecturer, Pain and Nociception Group, London, England, 1992

John J. Bonica Lectureship Award (Eastern Pain Association), New York, 1994

Distinguished Alumnus, University of Connecticut, School of Pharmacy, Storrs, CT, 2006

Allan and Phyllis Treuer Lecture in Pain Research, Department of Pharmacology, University of Washington, Seattle, WA, 2006

Excellence in Mentoring Award, Weill Cornell Medical College Postdoctoral Association, 2007

Panel member- NIH Consensus Development Conference: Hydroxyurea Treatment for Sickle Cell Disease, 2008

Graduate Dean's Award for Excellence in Teaching and Mentoring of Graduate Students, Weill

Cornell Graduate School of Medical Sciences, 2008  
Raymond W. Houde Memorial Lecture, Eastern Pain Association, 2008  
President, American Pain Society, 2008-2010  
4<sup>th</sup> Annual Jain lecture, Anesthesiology, Memorial Sloan-Kettering Cancer Center, 2016  
Honorary Fellowship Awardee of the Weill Cornell Medical College Alumni Association, 2016

**Societies:**

American Association for the Advancement of Science, 1972 to present  
American Pain Society, 1978 to present  
American Society for Pharmacology and Experimental Therapeutics, 1972 to present  
American Society for Clinical Pharmacology and Therapeutics, 1973 to 2014  
College on Problems of Drug Dependence, 1994 to present  
Eastern Pain Society, 1977 to present  
International Narcotics Research Conference, 1975 to present  
International Association for The Study of Pain, 1975 to present  
Society for Neuroscience, 1988 to present

**Ad Hoc Scientific Reviewer for:**

Journal of Pain  
Pain  
Journal of Pharmacology and Experimental Therapeutics  
J. Neuroscience  
J. Neurochemistry  
Molecular Brain Research  
Anesthesiology  
European J. Pharmacol.

**Member, Editorial Board:**

The Journal of Pain and Symptom Management 1990-2015  
Neuropharmacology 1998-2003.  
Pain 1998-2005

**Recent Committees:**

Board of Directors American Pain Society (2005-2010)  
Chair-Rita Allen Foundation Award Committee, American Pain Society, (2009-date)  
Research Advisory Committee, American Pain Society (2011-2016)  
Chair, Financial Aid Working Group, International Association for the Study of Pain, (2012-2017)  
Board of Directors, Eastern Pain Society, (2013 to date)  
Awards Committee, American Pain Society, (2013 to 2016)  
Nominating Committee- American Pain Society (2014-date)  
Member-Finance Committee, International Association for the Study of Pain, (2017-date)  
Chair-Public Policy Committee, American Pain Society, (2015-2017)

**Federal Government Public Advisory Committees:**

1982 - 1985 - Drug Abuse Biomedical Research Review Committee (Pharmacology)  
1987-1989 - ADAMHA's Small Business Innovation Research (SBIR) Grant Program  
1989-1993 - Drug Abuse Biomedical Research Review Comm. (Biochemistry Comm.)  
2001 - Ad hoc reviewer CSR MDCN-5 and IFCN-4  
2003-2007 - Member, CSR Molecular Neuropharmacology and Signaling Study Section.

- 2008 - Panel Member, NIH Consensus Development Conference: Hydroxyurea Treatment for Sickle Cell Disease
- 2008-date - Ad hoc reviewer- CSR ZDA1 MXG-S
- 2010 -Ad hoc reviewer- Cutting-Edge Basic Research Awards (CEBRA) (R21)
- 2010-2011 - Member, Institute of Medicine Committee on Advancing Pain Research, Care, and Education.
- 2014 -Chair CSR-RG/SRG: ZDA1 MXL-F (10)S-(R-13 applications)
- 2016-2017 - Member, chronic pain workgroup, Federal Pain Research Strategy
- 2018 -Member NIDA -ZDA1 SXM-M (08)

**Selected recent publications (from a total of over 270):**

- Inturrisi, C.E. and Gregus, A.M. Mechanisms of Opioid Tolerance, in The Eighth IASP Research Symposium :A Global Problem: Cancer Pain from the Laboratory to the Bedside, R. Bell,E. Kalso, J. Paice and O. Soyannwo, editors, Chapter 7,123-139, 2010.
- Reid MC, Bennett DA, Chen WG, Eldadah BA, Farrar JT, Ferrell B, Gallagher RM, Hanlon JT, Herr K, Horn SD, Inturrisi CE, Lemtouni S, Lin YW, Michaud K, Morrison RS, Neogi T, Porter LL, Solomon DH, Von Korff M, Weiss K, Witter J, Zacharoff KL. Improving the Pharmacologic Management of Pain in Older Adults: Identifying the Research Gaps and Methods to Address Them. *Pain Med.* 2011;12, 1336-1357. NIHMS309479.
- Foley KM, Fins JJ, Inturrisi CE. A True Believer's Flawed Analysis. *Arch Intern Med.* 2011 May 9;171(9):867-8. PMID: 21555672.
- Bruehl S, Apkarian AV, Ballantyne JC, Berger A, Borsook D, Chen WG, Farrar JT, Haythornthwaite JA, Horn SD, Iadarola MJ, Inturrisi CE, Lao L, Mackey S, Mao J, Sawczuk A, Uhl GR, Witter J, Woolf CJ, Zubieta JK, Lin Y. Personalized medicine and opioid analgesic prescribing for chronic pain: opportunities and challenges. *J Pain.* 2013 Feb;14(2):103-13. PMID:23374939 [PubMed-in process]
- Xu J, Xu M, Brown T, Rossi GC, Hurd YL, Inturrisi CE, Pasternak GW and Pan YX. Stabilization of the mu opioid receptor by truncated single transmembrane splice variants through a chaperone-like action *J. Biol. Chem.* 2013, 288: 21211-21227.
- Chou R, Cruciani RA, Fiellin DA, Compton P, Farrar JT, Haigney MC, Inturrisi C, Knight JK, Otis-Green S, Marcus SM, Mehta D, Meyer MC, Portenoy R, Savage S, Strain E, Walsh S, Zeltzer L: Methadone safety: A clinical practice guideline from the American Pain Society and College on Problems of Drug Dependence, in collaboration with the Heart Rhythm Society. *J Pain* 15:321-337, 2014
- Mehta N, Inturrisi CE, Horn S, Witkin LR. Using Chronic Pain Outcomes Data to Improve Outcomes. *Anesthesiol Clin.* 2016 Jun;34(2):395-408.
- Cea, M. E., Reid, M. C., Inturrisi, C., Witkin, L. R., Prigerson, H. G., & Bao, Y. (2016). Pain Assessment, Management, and Control Among Patients 65 Years or Older Receiving Hospice Care in the US. *Journal of Pain and Symptom Management*, 52(5), 663-672.
- Witkin LR, Zylberger D, Mehta N, Hindenlang M, Johnson C, Kean J, Horn SD, Inturrisi CE. Patient-Reported Outcomes and Opioid Use in Outpatients With Chronic Pain. *J Pain.* 18:583-596, 2017
- Moryl N, Dave V, Glare P, Bokhari A, Malhotra VT, Gulati A, Hung J, Puttanniah V, Griffo Y, Tickoo R, Wiesenthal A, Horn SD, Inturrisi CE. Patient-Reported Outcomes and Opioid Use by Outpatient Cancer Patients. *J Pain.* 19:278-290, 2018.