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Dr. Sharon E. Crane
Member



Dr. Crane is a partner specializing in intellectual property litigation and patent prosecution. Dr. Crane is experienced in, and counsels clients in all phases of patent law, particularly in the biotechnology area. Her graduate training was in the Neuroscience Training Program at the University of Virginia and in the Biochemistry, Cellular and Molecular Biology Program at The Johns Hopkins University School of Medicine, where she received her Ph.D. in Molecular Biology and Genetics and focused on the study of retroviruses. Dr. Crane has substantial experience in preparing and prosecuting patent applications in the biotechnology and chemical arts, and devotes a substantial percentage of her time to patent interference practice. She also has experience in patent litigation in the federal courts, and patent appeals at the U.S. Patent and Trademark Office Board of Patent Appeals and Interferences. Dr. Crane has also participated in and managed patent interference appeals in the Court of Appeals for the Federal Circuit.

Areas of Concentration:

- Counseling
- Litigation
 - Appellate
 - Federal District Court
 - Hatch-Waxman
 - Patent Interferences
- Patent Prosecution
 - Biomedical
 - Biology and Biotechnology
 - Chemical
 - Pharmaceutical

Education:

- The George Washington University Law School, Juris Doctor, 1994
- Johns Hopkins School of Medicine, Ph.D. in Molecular Biology and Genetics, 1990
- Johns Hopkins University, B.A. in Behavioral Biology, 1984

Admissions, Courts and Memberships:

- Admitted, State of New Jersey
- Admitted, State of New York
- Admitted, District of Columbia
- Registered to practice before the U.S. Patent and Trademark Office
- Member, American Bar Association, Intellectual Property Law Section
- Member, American Bar Association, Interference Subcommittee
- Member, American Intellectual Property Law Association, Biotechnology Committee
- Member, American Intellectual Property Law Association,

- Interference Committee
- Member, American Intellectual Property Law Association,
Liaison between Women in IP Law and Interference Committees
- Member, Federal Circuit Bar Association
- Member, Fédération Internationale des Conseils en Propriété Industrielle,
CET Group 5-Biotechnology
- Member, Intellectual Property Owners Association
- Member, International Association for the Protection of Industrial Property
- Maryland Patent Law Association
President 2001-2003; Vice President 1999-2001; Treasurer 1996-1999
- Member, New York Intellectual Property Law Association
- Member, U.S. Bar—EPO Liaison Council
Chair, 2006-2008

Publications

- “The University of Rochester Overreaches,” *outs & ins*, vol. 4, no. 2, 2004
- Co-author, “Degeneracy in the Legal Code: Can the PTO and the Federal Circuit Reach a Consensus Regarding Patenting Biotech Inventions?,” 4 *The Journal of Biolaw and Business* 39-42, 2000
- Co-author, “Identification of the Transmembrane Fusion Domain in the Visna Virus Envelope,” 185 *Virology* 488-492, 1992
- Co-author, “Identification of Cell Membrane Proteins that Bind Visna Virus,” 65 *J. of Virology* 6137-6143, 1991
- Co-author, “Epitopes Responsible for Fusion and Virus Neutralization in the Glycoprotein of Ovine and Caprine Lentiviruses: A Challenge for Vaccine Development,” *AIDS Vaccine: Basic Research and Clinical Trials*. Putney, S.D. and D. P. Bolognesi (Eds.). Marcel Dekker, Inc. pp. 319-338, 1990
- Co-author, “Fusion and Neutralization Sites on Visna Virus are Separate Epitopes,” *Cell Biology of Virus Entry, Replication and Pathogenesis*. Compans, R.W., A. Helenius and M. Oldstone (Eds.). Alan R. Liss, Inc. New York, pp. 1-12, 1989
- Co-author, “Lentiviruses of Animals are Biological Models of the Human Immunodeficiency Viruses,” 5 *Microbial Pathogenesis* 149-157, 1988
- Co-author, “Separate Epitopes in the Envelope of Visna Virus are Responsible for Fusion and Neutralization: Biological Implications for Anti-fusion Antibodies in Limiting Virus Replication,” 62 *J. of Virology* 2680-2685, 1987
- Co-author, “Identification of Chromaffin Granule-Binding Proteins. Relationship of the Chromobindins to Calelectrin, Synhibin, and the Tyrosine Kinase” Substrates p35 and p36, 262 *The Journal of Biological Chemistry* 1860-1868, 1987
- Co-author, “Mnemonic Correlates of Unit Activity in the Hippocampus,” 399 *Brain Res.* 97-110, 1986
- Co-author, “An Electrophysiological Method for Examining the Effects of Potential Therapeutic Agents on Memory Function,” 444 *Annals of the New York Academy of Sciences* 494-495, 1985