

Michael Xuehai Ye, Ph.D.



Associate

1350 I Street, NW
Suite 1100
Washington, DC 20005
P: 202.662.3008
F: 202.662.2739
michaelye@andrewskurth.com

Michael's practice area is intellectual property, especially in the fields of biotechnology, chemistry, bioinformatics, pharmaceuticals and medical devices. He works directly with inventors and in-house counsel to draft and prosecute patent applications and engages in the preparation of patentability, validity and related opinions. He handles product clearance searches, product evaluations, inventorship analysis, non-disclosure agreements and licensing agreements. Michael also performs due diligence in connection with mergers and acquisitions in the biotechnology and pharmaceutical industries.

Since 2001, Michael has practiced before the U.S. Patent and Trademark Office. He was an assistant professor of biochemistry and molecular biology at The George Washington University and the Children's National Medical Center from 1997 to 2002. His research experience includes:

- Development of adenoviral and AAV vectors and delivery methods for gene therapy
- In utero gene transfer and induction of cellular and humeral immune tolerance by prenatal and neonatal immunization
- Evaluation of immune responses and pharmacokinetics of therapeutic gene expression following viral administration
- Development of inducible expression systems for controlled transgene expression
- Evaluation of autoimmune responses to tumor antigens
- Signal transduction mechanism and vaccine development

Michael has authored or co-authored 28 peer-reviewed scientific articles. He was the recipient of the National Institutes of Health's National Research Service Award and the recipient of the Award for Scientific and Academic Achievement from the Children's National Medical Center.

PUBLICATIONS

- Is an Isolated DNA Patentable? *IP and Technology Developments* - October 2011 (October 25, 2011)
- X. Ye, J. McCarrick, L. Jewett and B.B. Knowles, "Timely immunization subverts the development of peripheral nonresponsiveness and suppresses tumor development in simian virus 40 tumor antigen-transgenic mice" *Proc. Natl. Acad. Sci. USA* 91, 3916-3920, 1994.

INDUSTRIES

Biofuels
Biotechnology, Life Sciences and Medical Devices
Energy
Internet/E-Commerce
Software/Electrical Technology
Technology and Emerging Companies

PRACTICES

Intellectual Property Counseling and Litigation

EDUCATION

JD, 2004, Georgetown University Law Center
PhD, 1993, Biochemistry, University of Pennsylvania
BS, 1985, Biochemistry, Peking University

ADMISSIONS

District of Columbia 2006
Maryland 2005
New Jersey 2005
US Patent and Trademark Office

LANGUAGES

Chinese (Mandarin)

Michael Xuehai Ye, Ph.D.

- J.F. Engelhardt, X. Ye, B. Doranz and J.M. Wilson, "Ablation of E2A in recombinant adenoviruses improves transgene persistence and decreases inflammatory response in mouse liver" *Proc. Natl. Acad. Sci. USA* 91, 6196-6200, 1994.
- X. Ye, M.B. Robinson, M.L. Batshaw, E.E. Furth, I. Smith and J.M. Wilson, "Prolonged metabolic correction in adult ornithine transcarbamylase deficiency mice with adenoviral vectors" *J. Biol. Chem.* 271, 3639-3646, 1996.
- X. Ye, G. Gao, Carol Pabin, S. E. Raper and J. M. Wilson, "Evaluating the potential of germline transmission after intravenous administration of recombinant adenovirus in the C3H mouse" *Hum. Gene Ther.* 9, 2135-2142, 1998.
- X. Ye, V.M. Rivera, P. Zoltick, F. Cerasoli, M.A. Schnell, G. Gao, J.V. Hughes, M. Gilman and J.M. Wilson, "Regulated delivery of therapeutic proteins following in vivo somatic cell gene transfer" *Science*, 283, 88-91, 1999.
- V.M. Rivera, X. Ye, N.L. Courage, F. Cerasoli Jr., J.M. Wilson and M. Gilman, "Long-term regulated gene expression in mice following intramuscular gene transfer" *Proc. Natl. Acad. Sci. USA*, 96:8657-8662, 1999.
- X. Ye, M. Jerebtsova and P.E. Ray, "Liver bypass significantly increases the transduction efficiency of recombinant adenoviral vectors in the lung, intestine and kidney" *Hum Gene Ther*, 11:621-628, 2000.
- X. Ye, B. Whiteman, M. Jerebtsova and M.L. Batshaw, "Correction of argininosuccinate synthetase (AS) deficiency in a murine model of citrullinemia with recombinant adenovirus carrying human AS cDNA" *Gene Ther*, 7:1777-1782, 2000.
- X. Ye, M.B. Robinson, C. Pabin, M.L. Batshaw and J.M. Wilson, "Transient depletion of CD4 lymphocyte improves efficacy of repeated administration of recombinant adenovirus in the ornithine transcarbamylase deficient sparse fur mice" *Gene Ther*, 7:1761-1767, 2000.
- X. Ye, X. Liu, Z. Li and P.E. Ray, "Efficient gene transfer to rat renal glomeruli with recombinant adenoviral vectors" *Hum Gene Ther*, 12:141-148, 2001.
- X. Ye, K.P. Zimmer, R. Brown, C. Pabin, M.L. Batshaw, J.M. Wilson and M.B. Robinson, "Differences in the human and mouse amino terminal leader peptides of ornithine transcarbamylase affect mitochondrial import and efficacy of adenoviral vectors" *Hum Gene Ther.* 12: 1035-1046, 2001.
- X. Ye, M. Jerebtsova, X. Liu, Z. Li and P.E. Ray, "Adenovirus-mediated gene transfer to renal glomeruli in rodents" *Kidney International* 61 Suppl 1:16-23, 2002.

BRIEFINGS, SEMINARS & SPEECHES

- "Recent Development in Gene Therapy," presented at the U.S. Patent and Trademark Office Educational Session for Patent Examiners (2005)