



THOMAS JEFFERSON SCHOOL OF LAW SYMPOSIUM

WHERE TO FILE:

A FRAMEWORK FOR PHARMACEUTICAL AND BIOTECHNOLOGY COMPANIES TO DEVELOP AN INTERNATIONAL PATENT FILING STRATEGY

FRIDAY, APRIL 11, 2014, 7:30 AM - 7:00 PM

1155 ISLAND AVENUE, SAN DIEGO, CA 92101



SCHEDULE

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| 7:30 – 8:00 a.m. | Continental Breakfast and Check-In |
| 8:00 – 8:15 a.m. | Welcoming Remarks Katherine MacFarlane , IP Fellow and Student, Thomas Jefferson School of Law Randy Berholtz , Acting General Counsel and Secretary, Innovus Pharmaceuticals, Inc., and Adjunct Professor, Thomas Jefferson School of Law Thomas Guernsey , Dean, Thomas Jefferson School of Law |
| 8:15 – 8:30 a.m. | Recognition of Thomas Jefferson School of Law Intellectual Property Fellows Program Steve Semeraro , Professor, Thomas Jefferson School of Law and Founder of the Intellectual Property Fellows Program Julie Cromer Young , Professor, Thomas Jefferson School of Law and Director of The Center for Law and Intellectual Property Eric Lane , Adjunct Professor, Thomas Jefferson School of Law and Supervising Attorney in the Trademark Clinic Mimi Afshar , Adjunct Professor, Thomas Jefferson School of Law and Supervising Attorney in the Patent Clinic |
| 8:30 – 10:00 a.m. | Panel 1: <i>Where to File from a Pharmaceutical and Biotech Company's Perspective</i> Moderator: Lorelei Westin, Ph.D. , Associate, Wilson Sonsini Goodrich & Rosati Robert T. Ramos , Senior Counsel, Amgen Joseph Reidy , Senior Corporate Counsel, Pfizer Michael Mueller , Associate Director of Legal Affairs, Conatus Pharmaceuticals, Inc. Babak Esmaeli-Azad, Ph.D. , CEO, DnAMicroarray, Inc. |
| 10:00 – 10:15 a.m. | Break |
| 10:15 – 11:45 a.m. | Panel 2: <i>Current Strategies Used by Law Firms to File Internationally</i> Moderator: Brenda Simon , Professor, Thomas Jefferson School of Law <i>Indian subcontinent:</i> Niti Dewan, M.B.B.S. , Head of Patents, R.K. Dewan & Co., (via video) <i>BRICS Countries:</i> Mauri Sankus , Of Counsel, Greenberg Traurig <i>Asia-Pacific:</i> Hito Kuroda Ph.D. , Partner, Masuvalley & Partners, Japan <i>Europe:</i> Alessandra Borgia , Partner, Studio Torta, Italy <i>Latin America:</i> Jorge Mier y Concha , Senior Partner, Arochi & Lindner, S.C., Mexico |
| 11:45 – 12:30 p.m. | Lunch break |
| 12:30 – 1:15 p.m. | Keynote Address: David Reed , U.S. Consultant to World Intellectual Property Organization on PCT Matters (via video) <i>Introducer:</i> Fred Hernandez , Member, Mintz Levin Cohn Ferris Glovsky and Popeo PC |
| 1:15 – 1:30 p.m. | Break |
| 1:30 – 3:00 p.m. | Panel 3: <i>An Overview of the Patent Filing Systems in Each of the Major Countries in the Five Regions</i> Moderator: Yoshi Masutani , Managing Partner, Masuvalley & Partners <i>Africa:</i> Russell Bagnall , Partner, Adams & Adams, South Africa <i>Asia-Pacific:</i> James Zhu, Ph.D. , Partner, Jun He Law Offices, P.C., China <i>Europe:</i> Vanessa Delnaud-Robine , Senior Associate, Dentons, France <i>Canada:</i> J. Christopher Robinson , Partner, Smart & Biggar/Fetherstonhaugh, Canada <i>Latin America:</i> João Luis Vianna, M.D. , Kasznar Leonardos, Brazil <i>Indian Subcontinent:</i> Mohan Dewan, Ph.D. , Principal, R.K. Dewan & Co. (via video) |

SCHEDULE

3:00 – 3:15 p.m.

Break

3:15 – 4:45 p.m.

Panel 4: Regional Integration and the Future Adoption of a Worldwide Patent System

Moderator: **Randy Berholtz**, Adjunct Professor, Thomas Jefferson School of Law

Asia-Pacific: **Shujin Jia**, Director of Gene Engineering, SIPO, China

Asia-Pacific: **Amanda Stark**, Principal, Griffith Hack, Australia

Europe: **Dieter Tzschoppe, Ph.D.**, Director of Pure Organic Chemistry, EPO, Europe

Indian Subcontinent: **Shantanu Basu, Ph.D.**, Partner, Eckman Basu LLP

4:45 – 5:00 p.m.

Break

5:00 – 5:45 p.m.

Panel 5: Where to File Internationally: Survey Results

Moderator: **Katherine MacFarlane**, IP Fellow, Thomas Jefferson School of Law

Methodology: **Derek Midkiff**, IP Fellow and Registered Patent Agent,
Thomas Jefferson School of Law

Survey Results: **Sumant Pathak**, IP Fellow and Registered Patent Agent,
Thomas Jefferson School of Law

Survey Conclusions: **Richard Schurman**, IP Fellow, Thomas Jefferson School of Law

World Wide View: **Vince Davies**, IP Fellow, Thomas Jefferson School of Law

5:45 – 6:00 p.m.

Closing Remarks: Randy Berholtz

6:00 – 7:00 p.m.

Refreshments

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RANDY BERHOLTZ

Adjunct Professor

Professor Randy Berholtz is the Acting General Counsel and Secretary, Innovus Pharmaceuticals, Inc. He is also the Vice President, Programs for the San Diego Chapter of the Association of Corporate Counsel, on the Advisory Council of the Keck Graduate Institute of Applied Life Sciences at the Claremont Colleges and the co-founder of Law Business World, Inc.

Formerly, Professor Berholtz was the Executive Vice President, General Counsel and Secretary of Apricus Biosciences, Inc.; Vice President, General Counsel and Secretary of ACON Laboratories, Inc.; Acting General Counsel and Secretary of Nanogen, Inc.; and Chief Operating Officer and General Counsel of Inglewood Ventures, L.P.



THOMAS GUERNSEY

*Dean and President
Professor of Law*

Prior to coming to TJSL in July 2013, Dean Guernsey has most recently served as a member of the faculty at Albany Law School and served as its Dean from 2002-2011. Additionally, he previously served as Dean, Professor of Law and Interim Vice Chancellor for Academic Affairs at Southern Illinois University, as well as Associate Dean and Professor of Law at University of Richmond. His contributions at Albany were significant in placing the school on a solid financial footing, dramatically improving its academics and increasing its stature in the community. Dean Guernsey is active in national legal organizations, including the American Bar Association and the Association of American Law Schools.

In 2011, Dean Guernsey was awarded the Trustee's Gold Medal, the highest honor awarded by Albany Law School to an individual who has demonstrated a record of exemplary support and dedication to the advancement of Albany Law School. Trustees and alumni established the Dean Thomas F. Guernsey Faculty Research and Scholarship Endowment in his honor to support faculty research and scholarship. He also received the Faculty Scholarship Legacy Award in honor of his efforts advancing faculty scholarship at Albany Law School, and the Legacy Award from the Center for Excellence in Law Teaching for his efforts advancing teaching at

Albany Law School. Dean Guernsey was also named a University of Richmond Distinguished Educator in 1983 and 1989.

Dean Guernsey has taught evidence, criminal law, criminal procedure and trial advocacy. He has practice experience in disability law litigation and legal aid, and has served as a consultant/trainer in interviewing, counseling, negotiation, mediation and trial practice for various legal, public service, government, insurance, business, medical and banking organizations.



STEVEN SEMERARO

Professor of Law

Professor Semeraro joined the TJSL faculty in 1999, became Associate Dean in 2002 and returned to the general faculty in 2007. After graduating from Stanford Law School, he clerked for the Honorable Stephanie K. Seymour, United States Court of Appeals for the Tenth Circuit, and then practiced with a private firm in Washington, D.C. In 1994, he joined the United States Department of Justice, Antitrust Division, where he led civil antitrust investigations of the optical disc and credit card industries. In 1996, he served as a Special Assistant United States Attorney in the Eastern Division of Virginia, prosecuting criminal cases.

In 2003, he authored the Law Professors' Amicus Brief in the U.S. Supreme Court case *Verizon v. Trinko*. He currently serves as the Book Review Editor of the *American Journal of Legal History* and the antitrust & competition expert for the Ethics & Compliance Alliance. He previously taught as an adjunct professor at American University's Washington College of Law and at Georgetown Law School. He has published numerous articles primarily in the fields of antitrust and criminal law.



JULIE CROMER YOUNG

*Associate Professor of Law
Director, Center for Law and
Intellectual Property*

Professor Young joined the TJSL faculty in the fall of 2003. Her scholarship is in the area of intellectual property, including new developments in copyright law. She co-organized the Seventh Annual Women and the Law Conference Virtual Women: Gender Issues in Intellectual Property, which gathered scholars internationally to discuss this timely subject. Her current research focuses on the

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intersection of copyright and civil procedure issues. Since 2008, she has served as the Director of the TJSL Center for Law and Intellectual Property.

Before coming to the law school, Professor Young practiced in Chicago. Her intellectual property practice, which focused on trademark and copyright law, included litigation, contractual, international and prosecution work.



ERIC L. LANE
Adjunct Professor

Professor Lane is an intellectual property lawyer and registered U.S. patent attorney. He specializes in helping technology companies build, grow and manage their patent and trademark portfolios, with a particular emphasis on renewable energy and other areas of green technology. Professor Lane is the author of *Clean Tech Intellectual Property: Eco-marks, Green Patents, and Green Innovation* (Oxford University Press 2011) and the founder and author of Green Patent Blog, the leading law blog covering intellectual property issues in clean technology. His articles have been published or are forthcoming in the *Columbia Journal of Environmental Law*, the *Berkeley Technology Law Journal*, the *Duke Law & Technology Review*, the *Santa Clara Computer & High Technology Law Journal*, and the *John Marshall Review of Intellectual Property Law*. Professor Lane is Of Counsel at McKenna Long & Aldridge in San Diego, where he is part of the Climate, Energy & Sustainability practice group and the Intellectual Property & Technology practice group.



MIMI AFSHAR
Adjunct Professor

Practice includes the preparation and prosecution of patent applications of patents for inventions involving chemical processes, organic chemistry, medical devices, mechanical engineering, and petroleum industry.



BRENDA M. SIMON
Associate Professor of Law

Professor Simon joined the TJSL faculty in 2010. Prior to that, she was the teaching fellow for the Law, Science and Technology LL.M. Program at

Stanford Law School, and a fellow in the Center for Law and the Biosciences. Before joining Stanford, Professor Simon was an associate at Fenwick & West, where she represented technology clients in intellectual property litigation, counseling and patent prosecution. Her pro bono representation of clients included successful appeals before the Ninth and Federal Circuits. In 2000-2001, she served as a law clerk to Judge Mariana R. Pfaelzer of the U.S. District Court for the Central District of California. Her research focuses on intellectual property and bioethics. Professor Simon's recent articles have been published in the *Houston Law Review*, *Nature Biotechnology*, and the *Stanford Journal of Law, Science & Policy*.



DEVEN DESAI
Associate Professor of Law

Deven Desai is a law professor at the Thomas Jefferson School of Law and just completed serving as the first Academic Research Counsel at Google, Inc. As a law professor, he teaches trademark, intellectual property theory, business associations, and information privacy law. He is a graduate of the University of California, Berkeley and Yale Law School. He has also spent a year as a Visiting Fellow at Princeton University's Center for Information Technology Policy. Professor Desai's scholarship examines how business interests and economic theories shape privacy and intellectual property law and where those arguments explain productivity or where they fail to capture society's interest in the free flow of information and development. His articles include *An Information Approach to Trademarks*, 100 *Georgetown Law Journal* 2119 (2012); *From Trademarks to Brands*, 46 *Florida Law Review* 981 (2012); *The Life and Death of Copyright* 2011 *Wisconsin Law Review* 220 (2011); *Brands, Competition, and the Law* 2010 *BYU Law Review* 1425 (2010) (Spencer Waller co-author); *Privacy? Property?: Reflections on the Implications of a Post-Human World* 18 *Kansas J. of Law & Public Policy* (2009); *Property, Persona, and Preservation*, 81 *Temple Law Review* 67 (2008); and *Confronting the Genericism Conundrum*, 28 *Cardozo Law Review* 789 (2007) (Sandra L. Rierson, co-author).

THOMAS JEFFERSON SCHOOL OF LAW IP FELLOWS



Left to Right: Derek Midkiff, Richard Schurman, Sumant Pathak, Katherine MacFarlane and Vince Davies

Adjunct Professor of Law, Randy Berholtz, has teamed up with five IP Fellow law students from the Thomas Jefferson School of Law, to create a patent filing strategy guide for patent attorneys practicing in the Pharmaceutical and Biotechnology industries. The ambitious honors research project includes a journal publication, a survey of attorneys on their current filing strategies, and a public symposium event with patent attorneys from many of the important and developing international jurisdictions for patents.

The Team has been conducting research on international patent laws and intends to provide patent attorneys with a universal list of countries to file in today, and countries to watch for in the near future. The team will be providing a more holistic insight into international patent filing strategies by combining an analysis of previous work relevant to the topic, the laws of particular countries, economic strengths, recent policy enactments, and the results from the attorney survey.

On April 11, 2014, the Team will be hosting a symposium for patent attorneys to hear from patent examiners in key jurisdictions, international attorneys and representatives from biotechnology and pharmaceutical companies. The goal is to provide a learning opportunity and a venue for attorneys to network on a global scale. The all-day event is expected to draw attorneys from places including India, South Africa, Europe, Brazil, Australia and China, as well as representatives from the European Patent Office and the State Intellectual Property Office (China).

The Team will be presenting the survey results, and hosting a series of panel discussions with international patent attorneys regarding the strategies currently used, the major international patent filing systems, and the concept of a World Patent. This event will be open to attorneys and students interested in the topic, California attorneys in attendance may receive CLE credit.

PATENT OFFICE PROFILES



DIETER TZSCHOPPE

Director, Joint Cluster Pure & Applied Organic Chemistry (PAOC), European Patent Office (EPO)

Dr. Dieter Tzschoppe, of French nationality, studied chemistry at the University of Stuttgart (Germany) and holds a PhD in organic chemistry from the University of Besançon (France).

He joined the EPO in 1985 in The Hague (Netherlands) as Search Examiner in the field of pharmaceutical formulations.

After his transfer to Munich (Germany) in 1989 he worked as search and substantive examiner in the field of medical use inventions.

Since 1999 he is director of units of about 30 examiners, first in organic chemistry, since 2005 in pharmacology and since 2013 additionally in galenics in the cluster Pure and Applied Organic Chemistry (PAOC).

Responsible for external relations for cluster PAOC he frequently represents the cluster/EPO as speaker in conferences or in the framework of international cooperation.



DAVID REED

U.S. Consultant to World Intellectual Property Organization on PCT Matters

During the last half of David's 40 year career at The Procter & Gamble Company in Cincinnati, Ohio, he managed P&G's international patent filing and prosecution function. During this time he transitioned P&G's international patent filing practice from direct national filings to filing under the PCT. Under his leadership Procter & Gamble's practice under the PCT quickly grew to the point where at one time, P&G was the largest single PCT applicant in the world.

Based on his practical experience in international patent filing and the PCT, he has been privileged to speak on P&G's foreign patent practice and their use of the PCT for a variety of organizations around the world.

Following his retirement from P&G in 2006, David became a consultant on the PCT for WIPO in North America. In this capacity

he conducts training seminars on the PCT and operates one of the two WIPO PCT help desks in the US, answering questions on the PCT from patent practitioners and administrators.



SHUJIN JIA

Director of Gene Engineering, SIPO

Ms. Shujin Jia is currently the Director of the Examination Department for the Gene Engineering Division of Pharmaceutical and Biological Inventions at the State Intellectual Property Office (SIPO) in Beijing, China. She began her career with SIPO in 1990 as a patent examiner and has held upper level positions in the Chemistry and Protein Engineering Examination Divisions. Ms. Jia's background includes an M.S. in Macromolecules from NanKai University, and an LL.M. from the Cardozo School of Law in New York.

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FRED HERNANDEZ

*Member, Mintz Levin Cohn Ferris
Glovsky and Popeo PC*

Fred's practice focuses on US and foreign patent prosecution. He has extensive experience in advising early-stage and emerging-growth companies in strategic management of patent portfolios.

He specializes in intellectual property protection in the medical device, aerospace, and mechanical industries, including offensive and defensive competitive strategies, infringement studies, financings, and strategic transactions.

His medical device technical experience involves a variety of cardiovascular, endobronchial, and ophthalmic interventions as well as various drug delivery and surgical devices. He also has technical knowledge of various orthopedic devices, including spinal and knee implants.

Fred has also advised clients in the consumer products industries, including the snow sports, golf, and water sports industries.

Before joining the firm, Fred was a principal at an international intellectual property firm located in San Diego. He also worked for the Hughes Aircraft Company, where he gained significant technical experience as a software engineer.



KIMBERLY MILLER, PH.D.

Partner at Knobbe Martens

Kimberly J. Miller is a partner in the San Diego office. Dr. Miller's practice focuses on intellectual property matters related to chemistry, pharmaceuticals, polymers and biotechnology. Dr. Miller advises clients on portfolio management, performs strategic IP portfolio development, conducts due diligence and market clearance, and advises clients on licensing matters. Additionally, Dr. Miller's practice includes obtaining and advising clients with respect to design patents. Dr. Miller has conducted patent prosecution in over 45 foreign jurisdictions and is a leader of the firm's International Department.

Dr. Miller received her Doctor of Philosophy in chemistry from the University of California of Los Angeles (UCLA). Her research focused on the synthesis and mechanistic studies of palladium (II) complexes as catalysts for forming carbon-carbon and carbon-heteroatom bonds. During her undergraduate career, she conducted research related to polyaniline membranes, and the synthesis and characterization of polyaspartic acid.

Dr. Miller joined the firm in 2005.

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RUSSELL BAGNALL

Partner, Adams & Adams, South Africa

Russell Bagnall has been a partner in the firm of Adams & Adams since 1998. Prior to joining Adams & Adams in 1994 he spent several years employed by a multinational mining house including a period in the R&D department.

Russell specialises in patent litigation and opinion work, mainly in the field of pharmaceuticals and chemistry. He has advised clients on several contentious issues involving pharmaceutical disputes between multi-national and generic companies. He also advises pharmaceutical clients on a wider range of issues including licence and distribution agreements, co-promotion agreements and regulatory issues. Russell is also responsible for managing multi-jurisdictional litigation in several African countries.

He is currently the head of the Patent and Design litigation group. Russell was also profiled in the International Who's Who of Business Lawyers for 2010 and 2011 for patents (based on a worldwide survey of corporate counsel and lawyers in private practice). He is the top ranked patent litigator in South Africa (and Adams & Adams the top ranked firm) according to Intellectual Asset Magazine 250-The World's Leading Patent Litigators (based on feedback from their users and practitioners in private practice in 25 countries).

Adams & Adams is the largest IP law firm in South Africa with a substantial presence on the African continent. Adams & Adams has been the recipient of numerous awards, including having been rated the top IP firm in South Africa by Managing Intellectual Property (see attached for list of some awards).

Russell is currently an active member of the South African group of AIPPI and is also a member of FICPI. He is also a fellow of the South African Institute of Intellectual Property Law and is the convenor of the Patent Law Committee which engages government on legislative issues on behalf of its members.

Russell obtained a BSc. [Eng] (Chemical, Metallurgical and Material Science) from the University of Witwatersrand in 1989 and a BProc. degree from the University of South Africa in 1996. He was admitted as an attorney of the South African High Court in 1996 and as a patent attorney in 1998.



LORI P. WESTIN

Associate, Wilson Sonsini Goodrich & Rosati

Dr. Lorelei (Lori) Westin is an associate in the San Diego office of Wilson Sonsini Goodrich & Rosati. Before joining the firm, Lori served as a federal law clerk for the Honorable John A. Houston in the Southern District of California. She also was a patent agent at Howrey Simon Arnold & White. Prior to Howrey, Lori had extensive experience as a research scientist, serving as a senior research scientist in Advanced Technologies at Nanogen, Inc.; a research associate in the Regulatory Biology Laboratory at the Salk Institute; and a postdoctoral fellow in the Laboratory of Molecular Genetics, CMB, at the Karolinska Institute in Sweden. She is the primary author of numerous scientific and legal publications, and is an inventor on seven issued U.S. patents on microchip and DNA amplification technology.

Lori has held numerous fellowships including: Fellow, Centers for Academic Excellence, the Center for Law, Technology and Communications, Highest Honors; J. Aron Foundation Fellow; Karolinska Institute, Stockholm, Sweden, National Science Foundation Minority Postdoctoral Fellow; Fulbright Fellow; and Pre-doctoral Fellow, National Science Foundation.

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HITO KURODA, PH.D.

Partner, Masuvalley & Partners

Hito Kuroda is a Japanese Patent Attorney (Benrishi) for Masuvalley & Partners. Hito holds a Ph.D. from Louisiana State University in Neuroscience and prosecutes patents in the chemistry, biotechnology, software and imaging fields. Prior to joining Masuvalley, Hito engaged in research at a Louisiana State gene therapy lab related to developing lentivirus vectors. Through his research, Hito has established a strong background in vectorology, genetic engineering and neurological diseases. Hito has also prosecuted several patents in software and imaging. Notably, he has extensive experience with projector technology, and has prosecuted several patents for a major Japanese projector company which led to the company's position as a leader in the industry.



YOSHI MASUTANI

Managing Partner, Masuvalley & Partners

Yoshi Masutani is a Japanese Patent Attorney (Benrishi) as well as the managing partner and owner of Masuvalley & Partners. Masuvalley is an intellectual property law firm headquartered in San Diego, focused on providing a range of IP services throughout Asia and the US, to clients from around the world. Yoshi has a background in semiconductors and began his career as a member of the in-house IP Group at Hitachi Ltd., where he prosecuted patent applications in several international jurisdictions and managed US litigators. Using his knowledge and experience as an in-house IP attorney at Hitachi, Yoshi became a foreign legal advisor at Luce Forward Hamilton & Scripps, where he acted as a liaison between US attorneys and clients based in Asia. In 2004, Yoshi opened Masuvalley & Partners to provide litigation support services for US law firms litigating cases for Asian clients. Since then, he has opened offices in Tokyo, Shanghai and Bangkok, and now has the ability to provide international patent prosecution services, in-house eDiscovery and litigation support, in-house Translations, and patent monetization services. Yoshi lives in San Diego and frequently travels to the other three Masuvalley offices. In his spare time, Yoshi enjoys cooking, playing guitar and spending time with his wife and two daughters.

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ALESSANDRA BOSIA
Partner, Studio Torta, Italy

She is a qualified European and Italian patent attorney. Her practice is directed to lifescience and biotechnology and focuses on the establishment and management of

IP portfolios of multi-companies and national companies.

Alessandra attained a Degree and M.Sc. in Medical Biotechnology summa cum laude in 2001 at the University of Turin and gained extensive experience as a research scientist working at the Ludwig Institute for Cancer Research and Cancer Research UK in London, as well as for an International biotech company based in Milan. She is an expert in DNA amplification and mutation detection technologies.

She is author of several publications and has taken part as a speaker in various events relating to biotech patenting. She is an Italian and English native speaker and has a good knowledge of German and French.



JORGE MIER Y CONCHA
Senior Partner, Arochi & Lindner, S.C.

Jorge oversees the Patent and Copyright Protection divisions. With over twenty years in practice, he specializes in patent and copyright filing and litigation,

trademark litigation, administrative proceedings and litigation and Amparo (extraordinary writs).

Jorge is an active member of AMPPI, INTA, AIPLA, FICPI and the Copyright Society of America. He received his law degree from the National University of Mexico and Master's degree in Intellectual Property Law from George Washington University. When not engaged in the practice of law, Jorge is an avid runner, reader and video game enthusiast.



J. CHRISTOPHER ROBINSON
*Partner, Smart & Biggar /
Fetherstonhaugh, Canada*

Christopher Robinson has repeatedly been recognized by his peers and clients alike as a leading expert in patent procurement

in the life sciences and related industries. He has been practicing in this area for over 25 years, representing innovative biotechnology and chemical companies, with a particular emphasis on biologics and pharmaceuticals, and agricultural technologies.

He has extensive expertise with every facet of the patent procurement process and also provides strategic advice on portfolio management and licensing. His practice is diverse, including molecular biology, peptide chemistry, immunology and genetics based innovation. He has broad experience in patenting antibodies, vaccines, enzymes for use in the life sciences and industrial biotechnology, stem cells, gene therapy, and medical diagnostics. He assists clients in advising them on enforcement, including under the Patented Medicines (Notice of Compliance) Regulations, and commercialization in Canada.

Mr. Robinson works with clients ranging from small and medium-sized life sciences and pharmaceutical companies to multinational corporations, and he also has experience working with universities. He manages global patent portfolios for his Canadian client base, and has been entrusted with protecting new innovation in Canada for many of the world's leading chemical and biotechnology companies.

Mr. Robinson is also a teacher, developing not only associates within the firm, but also educating new intellectual property leaders through university patent law classes and programs provided by the Intellectual Property Institute of Canada.



SHANTANU BASU, PH.D.
Partner, Eckman Basu LLP

Shantanu Basu provides legal and strategic counseling for the development of intellectual property portfolios in biotechnology, pharmaceuticals, and life

science-related fields for start-ups, multinational corporations and academic institutions in the US, Europe and Asia. His practice involves prosecuting patent applications, as well as inter-partes and ex parte procedures in the US and globally. He has been

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active in litigation of patents involving diagnostics, therapeutics, biologics and medical instruments. He has advised on life cycle management and regulatory issues for pharmaceuticals and biologics in the US and abroad. Prior to founding Eckman Basu LLP, Dr. Basu was a member of several major international law firms in Silicon Valley. Dr. Basu holds a Ph.D. in molecular biology and conducted research at the University of California with Dr. Harold Varmus prior to joining the legal profession.



JOÃO LUIS VIANNA, M.D.

Kasznar Leonardos, Brazil

João Luis Vianna is a senior partner at Kasznar Leonardos and the coordinator of the firm's Patent Department. Mr. Vianna is specialized in the Medical, Pharma, and Biotech areas. Specifically, he coordinates the prosecution of patent applications, from filing to grant, involving the technical and administrative aspects. He also supervises patent application drafting, foreign filing, and prosecution abroad.

Graduated in Medicine and in Law (Admitted to the Brazilian Bar in 1999), Mr. Vianna has a post-graduation in Immunopathology (1988) from the Pontifical Catholic University of Rio de Janeiro (PUC-Rio) and a Master's Degree in Immunology from King's College, in London (1991). He was also a research fellow at the Lupus Research Unit from The Rayne Institute, in St. Thomas' Hospital, London, from 1989 to 1991. Funded by the Brazilian Government (CNPq), Mr. Vianna researched intensively the "Antiphospholipid Syndrome", with several publications made in important scientific journals (Vianna, JL).

Mr. Vianna is a member of the Association Internationale pour la Protection de la Propriété (AIPPI), of the Brazilian Association of Industrial Property Agents (ABAPI), and of the Brazilian Association of Intellectual Property (ABPI), where he is an active participant in the Biotechnology Commission and a member of the executive board.



JAMES ZHU, PH.D.

Partner, Jun He Law Offices, P.C.

James Zhu is the head of Patent Law Group in Jun He Law Offices, a Chinese firm having 600 attorneys and 7 offices in China. As a conduit between China and the rest of the world, James represents international clients to

obtain and enforce their intellectual property (IP) rights in the fast-evolving and challenging IP environment in China. In particular, James helps international clients to enhance the value of IP assets, lower IP risks, and increase commercialization opportunities through comprehensive due diligence, counseling, procurement, litigation and cross-border licensing and collaboration. Prior to joining Jun He, James worked at Lyon & Lyon and Perkins Coie. James was a partner in Perkins Coie's Los Angeles Office and the Managing Partner of its Beijing Office. James graduated from Fudan University, Shanghai, and earned a Ph.D. degree CalTech and J.D. & MBA dual degrees from Columbia University.



AMANDA STARK

Principal, Griffith Hack

Amanda provides tailored strategic patent advice and expertise to local and overseas clients in the biotech sector.

Amanda began her career in-house over 20 years ago in a small biotech start up in the UK. This industrial experience helps her to provide a commercial focus and she is often called on to provide due diligence, IPO and licensing advice on top of the patent drafting, prosecution and opposition work that is expected of a patent attorney. Amanda also trains and mentors junior biotech attorneys, and lectures on IP management and strategy.

Amanda worked for 8 years in private practice in the UK before moving to Griffith Hack in Melbourne in 2003. She is qualified to practice before 4 patent offices and is Griffith Hack's go-to person for European and UK law and practice.

Amanda is Griffith Hack's International Business Development Principal responsible for America and, as such, frequently develops strategies to assist clients and prospective clients in the USA to leverage their Australian patents to assist protection elsewhere. She is often in the US, to present on developments in Australian and New Zealand patent law and to workshop strategies with our clients.

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BABAK ESMAELI-AZAD, PH.D.

CEO, DnAMicroarray, Inc.

Babak Esmaeli-Azad attended High School in Memphis, Tennessee; completed his undergraduate degree in Biology at Eckerd College in St. Petersburg, Florida; and obtained a Masters and Ph.D. degree in Molecular and Cellular Biology at University of California, Santa Barbara. He then started his professional career by completing postdoctoral studies at The Scripps Research Institute (Johnson & Johnson Laboratories at Scripps) in La Jolla, CA. He later joined Johnson & Johnson Pharmaceutical Research Institute as a research scientist. Dr. Azad's research at J&J involved design, development and performance of high throughput drug screening assays based on the molecular biology of Cancer, Apoptosis, Inflammation, Antibiotic Resistance, and Signal Transduction. In 1995, he joined SRA Technologies Inc. at Rockville Maryland, where he became Group Leader and Director of Research & Development. At SRA, Dr. Esmaeli-Azad focused his research on the application of Structural and Functional Genomics to the area of disease diagnosis, therapy, and patient management. In 1998, he joined BioArray Technologies Inc. as senior scientist, director of R&D where his research focused in functional genomics and proteomics utilizing microarray based miniaturized technologies. Dr. Esmaeli-Azad's research focused in the area of genomics and proteomics resulting in the development of several proprietary innovative omics display technologies.

In 1997, Dr. Azad founded DNAMicroarray, Inc. (www.dnamicroarray.com), the first company to commercialize DNA microarray related products and services to the research community via the world wide web. For 16 years (1997-2013), as the CEO of DNAMicroarray, Inc., Dr. Esmaeli-Azad managed day to day operation and organic growth of this profitable biotechnology company which currently employs an international staff of Ph.D., MS., and BS. scientists in United States, and Latin America. Dr. Esmaeli-Azad is the inventor/co-inventor of several patent pending technologies that are currently under development at the company. These enabling technologies address unmet needs in the areas of Genomics, Proteomics, Human Stem Cell Growth, Differentiation and Transplantation, Theranostics, Pharmacogenomics, and Agricultural Biotechnology.



MOHAN DEWAN, PH.D.

Principal, R.K. Dewan & Co.

Dr Mohan Dewan is the principal of R K Dewan & Co, with over 40 years of experience in the field of Intellectual Property Rights. Dr Dewan is a practicing advocate and jurist. He is a registered Patent & Trademark attorney.

Dr. Dewan has the unique distinction of being an exceptional litigator along with being an expert in patent & trademark prosecution. Having drafted and successfully prosecuted several thousand patent specifications, he has come to be acknowledged as a specialist in patent specification drafting. Dr. Dewan has obtained over 5000 patents for various Indian and foreign clients in almost every sphere of technology. His firm represents over 4000 clients worldwide.

Dr. Dewan pioneered anti-counterfeiting strategies and litigation in India. His areas of expertise also extend to negotiating technology transfers and IP valuation.

He is also extensively involved in IPR teaching and training. Between the years 1988-1993, he was Head of the Department of Intellectual Property Law at Howard College, University of Natal, where he also taught private international law. Currently, Dr. Dewan is actively involved in seminars & workshops on IPR for training students, executives, IP professionals and patent office examiners.

Dr. Dewan has several publications to his credit. He has co-authored a book titled "Intellectual Property, Innovation and Management in Emerging Economies" that was launched at the Warsaw University, Poland. He frequently writes for various journals and magazines.

Dr. Dewan regularly advises the Indian Ministry of Defence, Ministry of Information Technology, the National Research & Development Corporation of India and other governmental institutions for their IP matters.

He has been appointed to serve on the Academic Committee for the 2014 – 2015 Committee Term at INTA. He has previously served on INTA's Emerging Issues Committee.

He has been recognized as a Leading IP lawyer in India by various organizations including Chambers & Partners and AsiaLaw Profiles.

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NITI DEWAN, M.B.B.S.

Head of Patents, R.K. Dewan & Co.

Dr. Niti Dewan, a medical doctor and a Patent and Trade Mark Attorney, heads the Patents Department at R K Dewan & Co. She is also responsible for the firm's Business Development, Finance and Administration operations. With over 15 years of experience in the IP field, Niti's areas of speciality include: patent drafting, patent searching & analysis, international patent filing and prosecution, and IP portfolio management. Niti's primary sectors of speciality are the life sciences, biosciences, pharmaceuticals and chemicals; however, she has extensive experience in carrying out invalidation and freedom-to-operate searches in all fields of technology including automobiles, IT, nanotechnology and material sciences. She frequently advises clients on their IP strategy. Niti has been involved in participating and conducting numerous seminars on IP throughout India and overseas. She successfully completed the 'IPR training course for Advanced IP practitioners' conducted by the Japan Patent Office. She is also a certified patent valuation analyst. Niti's trademark practice encompasses advising clients on creating brands and registering them in India and internationally. She is actively involved in brand valuation and has handled some very interesting cases in this area. Niti was a member of the Organizing Committee at the INTA India Forum meet in February 2013, where she also presented a talk titled 'Differences in Trademark Practice between India and Other Countries' and moderated a session on 'Customs Recordal of Rights and Post Clearance Audits: Boon or Bane?' Niti serves on INTA's Government Officials Education & Training Committee, where she has been nominated as the Co-leader of the Project Expansion Programme. Niti also serves on the Patents Standing Committee of APAA for 2013-2015. Niti served on INTA's 'Middle East, Africa & South Asia' Subcommittee of the 'Famous & Well-Known Marks' Committee. Niti is a member of AIPPI, AIPLA, MARQUES, FICPI and LES organizations. She serves on the advisory board of the Yenepoya University, Mangalore, India. Niti is passionate about bonsai, architecture and interior design. Her time is also divided between being a busy mother of two and pursuing her law studies.



MAURI A. SANKUS

Of Counsel, Greenberg Traurig

Mauri A. Sankus is on-site at Alcoa Inc. in Pittsburgh, PA, where her practice includes intellectual property portfolio planning and management, preparation and prosecution of patent applications in a wide variety of arts, licensing, and infringement and validity studies. For over 15 years, Mauri has helped companies of all sizes build and manage significant patent portfolios, protect core technologies, develop in-house procedures, and formulate intellectual property strategies. Mauri always has the business goals of her clients in mind and manages intellectual property portfolios and drafts patent claims to support those goals.



VANESSA DELNAUD-ROBINE

Senior Associate, Dentons, France

Vanessa Delnaud-Robine is an associate in the Intellectual Property team of Dentons' Paris office.

She is involved in litigation, arbitration and advisory work with respect to trademarks, designs, copyrights, domain names, patents, unfair competition and parasitic behaviours.

Vanessa assists French and international clients (from individual designers, artists, to multinational corporations) notably in the fields of cosmetics, pharmaceuticals, fashion, entertainment, motion picture production, home and personal care products, research and development, food and beverages.



JOSEPH REIDY

Senior Corporate Counsel, Pfizer

Joe Reidy is Senior Corporate Counsel for Pfizer Inc. He is located at Pfizer's La Jolla site and has handled the patent portfolio, including due diligences, and contract negotiations for various therapeutic areas for the past 14 years.

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ROBERT T. RAMOS

Senior Counsel, Amgen

At Amgen, Bob Ramos has served as the cross-functional Law Product Team Leader and IP attorney responsible for worldwide patent strategy for the launch of Kepivance® (palifermin) in 2005 and Nplate® (romiplostim) in 2008. In addition to current responsibility for worldwide patent strategy for two Phase 1 oncology pipeline products, Mr. Ramos remains responsible for the Nplate® patent portfolio, which is currently marketed in 50 countries generating over \$400M in annual revenue with plans to market in at least 20 additional countries. The Nplate® portfolio has either granted patents or pending applications in 86 countries, including Patent Term Extensions or Supplemental Protection Certificates in at least 30 countries. Mr. Ramos' practice within Amgen also includes law practice management and due diligence in support of licensing and M&A transactions. Mr. Ramos previously practiced in San Diego for over 10 years and was formerly a Partner at the Biotech IP Law Firm Campbell & Flores. Prior to law school at the University of San Diego, Mr. Ramos conducted gene therapy research at UCSD's Center for Molecular Genetics.



MICHAEL MUELLER

*Associate Director of Legal Affairs,
Conatus Pharmaceuticals, Inc.*

Michael Mueller has served as Associate Director, Legal Affairs at Conatus Pharmaceuticals since December 2013. Prior to joining Conatus, Michael served as Manager, Business Development and Alliances and a Patent Agent at Apricus Biosciences, Inc. from 2012 through 2013. In these roles, Michael has led intellectual property prosecution and management and has business development experience in the initiation, due diligence and execution of international pharmaceutical business transactions. Michael is a registered to practice before the United States Patent and Trademark Office and the State of California, and he holds a J.D. from Thomas Jefferson School of Law, an M.B.A. from San Diego State University and a B.S. in Chemical Engineering from the University of Minnesota, Twin Cities.

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About Us

Consistently ranked among the top intellectual property firms in the nation and worldwide, Knobbe Martens has over 275 lawyers and scientists and dedicates its practice to all aspects of intellectual property law. Our team has expertise that span virtually all therapeutic areas and stages of the drug development process, and many hold advanced degrees in chemistry (including organic and medicinal chemistry). Services are provided to clients throughout the world across a broad spectrum of pharmaceutical and chemical areas.

Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.

You have ambitious goals; we'll help you accomplish them.

Mintz Levin is an internationally recognized law firm that helps clients raise capital, hire employees, secure space, and protect intellectual property to achieve strategic goals. We have more than 450 attorneys serving clients through offices in San Diego, Boston, Washington, New York, Los Angeles, San Francisco, Stamford (CT), and London. We also maintain a liaison office in Israel, home to a lively entrepreneurial community.

Applying a collaborative team approach, we address the rapidly changing legal and regulatory requirements of industries including Life Sciences; Health Care; Energy & Clean Technology; Financial Services; Technology, Communications & Media; and many others.

Our 35 San Diego-based attorneys form close partnerships with start-ups and growing companies to drive successful outcomes. We have a strong commitment to the innovation economy and to our community, and take pride in helping California's emerging companies succeed.

Chambers USA: 48 attorneys, 12 practice areas ranked

Best Law Firms to Work For: Among *Vault's* top 25 law firms for associate satisfaction

Best Places to Work for LGBT Equality: 7 consecutive perfect scores, HRC Corporate Equality Index

ABA Pro Bono Publico Award for "outstanding commitment to volunteer legal services"

We are proud to support the Earl B. Gilliam Bar Association, Filipino American Lawyers of San Diego, Korean American Bar Association, Pan Asian Lawyers of San Diego, San Diego La Raza Lawyers Association, South Asian Bar Association, and Tom Homann LGBT Law Association.

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Masuvalley & Partners is an international Intellectual Property law firm headquartered in San Diego. With offices in Tokyo, Shanghai and Bangkok, as well as several foreign associate firms, Masuvalley is able to provide direct patent filing services throughout Asia. Our extensive network in Asia also allows us to provide e-Discovery and litigation support as well as in-house translation services for Asian companies involved in US litigation.

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Adams & Adams

WHO WE ARE

Adams & Adams is a leading South African law firm specialising in intellectual property law, in addition to providing general commercial legal services. The firm has grown into a South African law icon, with the largest intellectual property law practice supported by a strong commercial, property and litigation practice. Adams & Adams has been rooted in over 100 years of legal excellence since its founding in 1908. The firm is characterised by a strong commitment to professionalism, and client care and partner accessibility are two of the cornerstones of the practice.

Adams & Adams currently has 68 partners and a further professional complement of over 120 experienced attorneys and candidate attorneys, with more than 450 support staff members, and specialises in Africa, with offices in South Africa (Pretoria, Johannesburg Cape Town, Durban), Mozambique (ARIPO), Angola, Tanzania (Zanzibar), Kenya, Burundi, Lesotho, Swaziland, Botswana, Namibia and an OAPI office based in Cameroon. Adams & Adams also has a world wide network of attorney correspondents and associates, enabling the firm to handle intellectual property and legal matters in any country where this may be required.

Adams & Adams has been widely recognised for its professional excellence and has been a top-rated firm, both internationally and nationally, in various publication-led surveys conducted over the past few years. The firm received close to 50 awards in 2013, to date it has received 10 awards for 2014 with the latest addition being "South African Law firm of the Year" by Managing Intellectual Property Global Awards 2014.

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Wilson Sonsini Goodrich & Rosati

PROFESSIONAL CORPORATION

Wilson Sonsini Goodrich & Rosati has developed a broad expertise in the field of life sciences. The firm's life sciences practice includes legal representation of more than 500 companies in biotechnology, biopharmaceuticals, drug discovery technology, genomics, medical devices, diagnostics, and health care services.

To assist life sciences companies with the protection of their intellectual property, the firm maintains a dedicated team of intellectual property attorneys led by industry veterans with significant experience securing and defending patent positions. The firm runs a dedicated healthcare regulatory law practice to help life sciences clients successfully navigate complex regulatory mazes, secure timely approvals, and comply with strictly enforced regulatory laws in the U.S. and international markets.

The firm adapts its services to account for the varying conditions in the life sciences industry, such as longer product development timetables, regulatory and reimbursement issues, and unique relationships with the scientific and medical communities. Our team includes attorneys with advanced, technical, or scientific degrees and industry training to better serve the needs of our clients. For more information, please visit www.wsgr.com.

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AROCHI & LINDNER

Arochi & Lindner is the most respected and recognized name in Latin American intellectual property protection. Founded in 1994, they are a leading firm, thanks in large part, to their creative and client-centric attitude. In 2011 they launched an office in Spain and as a direct result of their success, continue their domestic and global expansion today. They handle all aspects of trademark, copyright, patent, trade secret protection and enforcement, civil and commercial litigation, as well corporate, advertising and food law. They counsel clients on acquiring and maintaining intellectual property, portfolio management and transactions.

DENTONS

Dentons is a global firm driven to provide a competitive edge in an increasingly complex and interconnected marketplace. It was formed in March 2013 by the combination of international law firm Salans LLP, Canadian law firm Fraser Milner Casgrain LLP (FMC) and international law firm SNR Denton. Dentons' clients now benefit from approximately 2,600 lawyers and professionals in more than 75 locations spanning 50-plus countries across Africa, Asia Pacific, Canada, Central Asia, Europe, the Middle East, Russia and the CIS, the UK and the US who are committed to challenge the status quo and offer creative, dynamic business and legal solutions. Dentons provides access to top tier legal talents with experience in 24 sectors and 36 practices. Dentons Life Sciences expertise is highly recognized notably in Europe where its Group is co-headed by Jean-Marc Groperrin and Pascale Poupelin. For instance in France, Dentons is ranked band 1 in Chambers Europe 2013 (including for Corporate, Product Liability, and Regulatory issues) as well as in Legal 500 EMEA 2013. The team is also regularly awarded prizes such as Life Sciences Law Firm of the Year – France (2013 M&A International Awards), and Healthcare and Pharmaceutical: Team of the year (Silver Trophy - Décideurs Stratégie Awards 2012). The Group's scope of activity covers all types of Life Sciences fields (pharmaceutical products, biotechnology, medical devices, cosmetics, biocides and other regulated products, alicaments, food supplements and animal health), with top specialists for every practice including mergers and acquisitions, regulatory law, compliance, product liability, litigation, intellectual property, distribution, competition, tax, employment, and technology, among other areas. Our experience covers general advisory, transactional and regulatory work as well as litigation and arbitration. We represent clients before national, EU and international authorities and jurisdictions. The Group represents all Life Sciences actors such as public and private institutions

and establishments, manufacturers and distributors and service providers in the Life Sciences sector.

STUDIO TORTA

Studio Torta is one of the leading firms of patent and trademark attorneys in Italy. The firm has more than 45 registered Italian and European patent and trademark attorneys, lawyers and paralegals, and about 150 employees distributed over 5 offices in the country. The firm offers a full range of IP services, primarily filing and prosecution of European and Italian patents in all technical fields and registration of Community and Italian Trademarks and Designs, but also provides expert assistance in the enforcement of patent and trademark rights. The firm has recently been reorganized as an open partnership, in which younger attorneys work alongside with their seniors to lead the firm towards new achievements. Several partners are involved in IP associations among which UNION, FICPI and the Council of the Order of Italian Patent and Trademark Attorneys. Studio Torta manages a portfolio of 3,000 customers, about 15,000 brands and more than 50,000 patents and designs, and supports clients such as Ferrari, Electrolux, Bridgestone, Illinois Tool Works, IGT, AugustaWestland, Tetrapak and Mitsubishi Heavy Industries.

SMART & BIGGAR/FETHERSTONHAUGH

Smart & Biggar/Fetherstonhaugh is Canada's largest firm practising exclusively in intellectual property and technology law. Since our inception over a century ago, we have been dedicated to one purpose – providing the highest quality advice and service to leaders in industry and research. We are proud that our leadership has been consistently lauded by numerous independent surveys that place us at the forefront of their rankings. We service all areas of the Life Sciences field – from universities, hospitals and government laboratories to small and medium sized enterprises and multinational companies – to help innovators develop intellectual property protection and license innovations. Our professionals also work with IP practitioners around the world to obtain protection for Canadian inventions abroad, as well as for foreign inventions in Canada. Our firm's litigation specialists complement our Life Sciences group by providing superior service to clients involved in biotechnology patent litigation. All of our Life Sciences professionals have graduate and undergraduate degrees in areas such as cell biology, physiology, molecular cell biology, microbiology, immunology, biochemistry, developmental genetics, molecular and cellular physiology or pharmacy. Many of our professionals also hold a PhD in various Life Science specialties. We also have extensive experience and depth of knowledge in areas such as diagnostics, medical devices and plant breeders' rights.

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GREENBERG TRaurig, LLP

Greenberg Traurig, LLP is an international, multi-practice law firm with approximately 1750 attorneys serving clients from 36 offices in the United States, Latin America, Europe, the Middle East and Asia. Greenberg Traurig is among the Top 10 law firms on The National Law Journal's 2013 NLJ 350, an annual ranking of the largest firms in the U.S. For additional information, please visit www.gtlaw.com.

ECKMAN BASU, LLP

Eckman Basu LLP is a law firm of a hard-working, creative attorneys setting the highest standards of service on behalf of our clients. We provide expert advice and counsel in areas of intellectual property strategy, patent rights, technology transactions and litigation, to address our clients' concerns and develop winning solutions. All our attorneys have advanced technology backgrounds and a thorough understanding of law, regulations, business, research and development. Attorneys at Eckman Basu LLP are skilled in translating scientific and technological innovations into valuable intellectual property and enforceable patent rights.

KASZNAR LEONARDOS

Headquartered in Rio de Janeiro, with offices in Sao Paulo and Porto Alegre, Kasznar Leonardos Intellectual Property has 16 partners and 170 employees with associated in all Brazilian states. Kasznar holds a leading position in IP in Brazil due to the expertise of its partners and team, recognized by the most reputed international law guides, such as Chambers & Partners, The Legal 500, and Latin Lawyer 250, among others.

Kasznar provides Brazilian and foreign companies with a wide range of technical and judicial services in IP areas, such as trademarks, domain names, patents, copyrights, geographical indications, computer and software rights, unfair competition, trade secrets and confidential data, litigation and dispute resolution, publicity law, anti-counterfeiting, industrial designs, technology transfer, franchising and licensing, regulatory healthcare law and the protection of plant varieties. In these areas, Kasznar's team acts as attorneys in the prosecution of applications; as legal advisors in licensing and other contract matters; as lawyers in litigation and arbitration; and as neutrals in arbitration and mediation.

Approximately 70% of Kasznar's clients are multinational companies from industries such as oil and gas, energy, chemical, food, pharmaceuticals, biotech, steel, aviation, auto, electronics, telecommunications and information technology.

DNAMICROARRAY, INC.

In 1997, Dr. Azad founded DNAmicroarray, Inc. (www.dnamicroarray.com), the first company to commercialize DNA microarray related products and services to the research community via the world wide web. For 16 years (1997-2013), as the CEO of DNAmicroarray, Inc., Dr. Esmaeli-Azad managed day to day operation and organic growth of this profitable biotechnology company which currently employs an international staff of Ph.D., MS., and BS. scientists in United States, and Latin America. Dr. Esmaeli-Azad is the inventor/ co-inventor of several patent pending technologies that are currently under development at the company. These enabling technologies address unmet needs in the areas of Genomics, Proteomics, Human Stem Cell Growth, Differentiation and Transplantation, Theranostics, Pharmacogenomics, and Agricultural Biotechnology. DNAmicroarray, Inc. is involved in several collaborative R&D projects with internationally recognized academic and industrial laboratories.

Additionally, company has several ongoing corporate partnerships with other biotechnology and pharmaceutical companies. Dr. Azad is the inventor of chemically induced pluripotent stem cells (CiPSC, http://www.dnamicroarray.com/r&d_projects_cips.html) which is a current focus of stem cells' R&D at the company. In 2012, Dr. Azad completed acquisition of genomics and proteomics divisions of DNAmicroarray Inc. by a private investment group and assumed the chairman of the board position at the company. In 2012, Dr. Azad was one of the founding members of CiBots, Inc., a California startup, and has been a key figure in invention, design and development of mobile health technologies and telemedicine applications for Next Generation Patient Doctor (NGPDTM) communications, currently in development at the company. Since 2012, Dr. Azad has been the team leader for Team SMART McCoy (lead entity CiBots, Inc.), one of the remaining 30 teams actively participating in the international QUALCOMM TRICORDER X PRIZE competition (<http://www.qualcommtricorderxprize.org>).

JUN HE

Jun He Law Offices has been a premier full-service legal advisor in China since 1989. As one of oldest private law firms, we have developed the knowledge, expertise, and bandwidth to efficiently deliver a wide range of high-quality legal solutions in complex commercial transactions and litigation for our clients to achieve their business goals in China.

Being a full-service Chinese law firm, we provide a broad range of practice, including general corporate law and governance,

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foreign direct investment, mergers and acquisitions, securities and capital markets, banking and finance, venture capital and private equity investment, intellectual property, international trade, labor and employment, tax and customer practice, real estate and construction, bankruptcy, antitrust and competition, litigation and dispute resolution, and other commercial areas.

We have helped our clients in dealing with a broad range of intellectual property matters in China involving a variety of technology areas including, for example, pharmaceuticals and biotechnology, medical devices, material sciences, chemistry, energy, clean technology, nanotechnology, telecommunications, electronics, semiconductors, automation, software, and e-business. We primarily focus on patent procurement, transaction and enforcement in China.

GRIFFITH HACK

Griffith Hack is one of Australia's largest IP firms, comprising patent and trade marks attorneys, IP lawyers, information services, IP portfolio management consultants and R&D tax experts. We provide a full range of comprehensive IP services to many of Australia's leading companies.

With 33 Principals and over 270 staff Australia-wide across our Melbourne, Sydney, Perth and Brisbane offices, Griffith Hack is a major IP force in Australia.

One of the largest and longest standing IP firms in Australia, Griffith Hack has been leading the way in providing a complete range of IP services and strategic advice to our clients for more than a century.

Our approach to interacting with our clients is to recognise that appropriate technical excellence of our people is only a starting point. We know that our clients want attorneys and lawyers who understand both their industry and commercial objectives. Using your goals as our basis, we will work with you to develop and grow your organisation. Our aim is to partner you in the development, commercialisation and enforcement of your IP.

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CONATUS PHARMACEUTICALS

Conatus Pharmaceuticals is a biotechnology company focused on the development and commercialization of novel medicines to treat liver disease. We are developing our lead compound, emricasan, for the treatment of patients with chronic liver disease and acute exacerbations of chronic liver disease. Emricasan is a first-in-class, orally active pan-caspase protease inhibitor designed to reduce the activity of all ten human caspases, which are enzymes that mediate inflammation and cell death, or apoptosis. We believe that by reducing the activity of these enzymes, emricasan has the potential to interrupt the progression of liver disease and potentially provide treatment options in multiple areas of liver disease. We have designed a comprehensive clinical program to demonstrate the therapeutic benefit of emricasan across the spectrum of fibrotic liver disease. Our initial development strategy targets indications for emricasan with high unmet clinical need and small, potentially orphan, patient populations, such as patients with acute-on-chronic liver failure, or ACLF, and chronic liver failure, or CLF. ACLF and CLF are potential orphan indications in both the United States and European Union, or the EU. We also plan to evaluate the compound in patients who have developed liver fibrosis post-orthotopic liver transplant, or POLT, due to hepatitis C virus, or HCV, infection and have subsequently achieved sustained viral response, or SVR, following anti-HCV therapy, or POLT-HCV-SVR, as well as in patients with non-alcoholic steatohepatitis, or NASH. We were granted orphan drug designation in late 2013 by the United States Food and Drug Administration, or the FDA, for the treatment of POLT patients with reestablished fibrosis to delay the progression to cirrhosis and end-stage liver disease.

LAW BUSINESS WORLD

Our mission: To provide lawyers with the practical business, financial, marketing and sales skills to enable them to have successful law practices. Are you a recent law school graduate thinking about starting your own firm? Have you already started your firm and are thinking of ways to grow and develop your business? Perhaps you are an established firm, seeking ways to build and develop your most lucrative business relationships. Wherever you are, in today's competitive environment, you know how important it is to be open to new and creative ways of communicating, of doing business and of providing a better service for your clients. We are a legal business and law-school consulting firm with the goal in mind of helping propel your law businesses or those of your students to the next level. Come to us for a trusted partner to help incubate your law firm. Law Business World is the result of practical research and experience. Our team

has conducted extensive and continuing research of various aspects of running your law firm in today's environment, based on what is happening now. We have identified what technologies are available to help law firms run more efficiently to provide a more satisfying experience for their clients and to boost your bottom line. Presentations are available to you by workshop or personalized consultation.

PFIZER

Pfizer Inc., a biopharmaceutical company, discovers, develops, manufactures, and sells healthcare products worldwide. Its product portfolio includes medicines and vaccines, as well as various consumer healthcare products.

R K DEWAN & CO

R K Dewan & Co was founded in 1942 and has completed over 71 years of committed and excellent service in the field of Intellectual Property Rights. RKD has its head office in Mumbai, with branch offices in New Delhi, Pune, Chennai and Kolkata; cities that are the settings of the multiple geographical locations of the Patent & Trademark Offices in India. RKD is therefore well poised to serve its over 4000 corporate and individual clients worldwide including several of the top Indian companies. The firm is assisted by a complement of 85 dedicated and painstakingly trained advocates (lawyers), engineers, scientists, Patent attorneys, Trademark Attorneys, paralegals and executives equipped to deliver promptly and efficiently. RKD has built a close-knit, dependable and extensive network of associates in India and in over 125 countries throughout the world. They are therefore able to cater to national and international IP filing, prosecution and domestic and trans-border litigation across all tiers of the judiciary. RKD believes in offering customised, cost-effective and innovative solutions across all verticals of IP. RKD is actively involved in advising clients on every aspect of IP, including Patents, Trademarks, Copyrights and Design. The firm regularly handles large volumes of both IP prosecution and litigation matters on behalf of its many clients. Having drafted and successfully prosecuted over 5,000 patent specifications globally, Dr Mohan Dewan, the head of RKD, has come to be acknowledged as an expert in the field of patent specification drafting. Dr Dewan leads the RKD team in consistently formulating and executing winning India-centric strategies for IP prosecution and litigation in the country.



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