

EXPERT GUIDES

THE WORLD'S LEADING LAWYERS CHOSEN BY THEIR PEERS

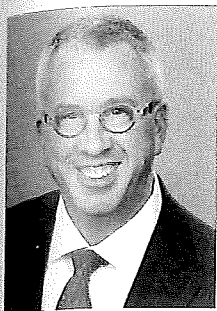
Over 20 years' experience

LIFE SCIENCES

WHAT'S INSIDE?

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David Schwartz is a partner in Smart & Biggar's Ottawa office. His practice focuses on patent law in the fields of biotechnology, pharmaceuticals, and chemistry, as well as plant breeders' rights. David advises on regulatory matters relating to the *Patented Medicines (Notice of Compliance) Regulations*, data protection under the *Food and Drug Regulations*, and matters concerning the Patented Medicine Prices Review Board. He appears regularly in oral proceedings before the Patent Appeal Board and has handled first-to-invent conflicts under the pre-1989 *Patent Act*.

David has acted on behalf of a comprehensive range of clients, including start-ups, early-stage ventures, universities, government organizations and multinational corporations. His client activities regularly involve diverse fields such as plant biotechnology, stem cells, organic chemistry, materials science, diagnostics, pharmaceuticals, immunology, vaccines, water filtration, nutraceuticals, expression systems and assays.

David has testified on patent law reform before both the House of Commons Standing Committee on Industry, Science and Technology and the Senate National Finance Committee, and has lectured on patent law at Queen's University and the University of Ottawa.

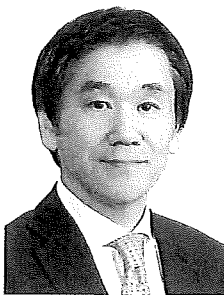
In 2013 he was named *LMG Life Sciences* Canadian "Patent Attorney of the Year" and *Best Lawyers* 2016 Biotechnology Law "Lawyer of the Year" in Ottawa. David is listed in *The Best Lawyers in Canada*, *LMG Life Sciences* and *Managing Intellectual Property's IP Stars Handbook: Patents*.

He is past-President of Intellectual Property Institute of Canada. He is a member of the American Intellectual Property Law Association and the International Association for the Protection of Intellectual Property.

David received a B.Sc. Hons. in Genetics from the University of Alberta where he also earned his LL.B.. He is a registered patent and trademark agent in Canada and registered to practice before the United States Patent and Trademark office. David was called to the British Columbia Bar in 1992, the Alberta Bar in 1993 and the Ontario Bar in 2001.

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Mr Kamada has a life sciences and pharmaceuticals practice for clients based in Japan, the United States, the UK, the rest of Europe, China and Korea. He has directed prosecution of patent families covering over 50 countries, but his main work relates to prosecution, opposition and appeal procedures before the Japan Patent Office (JPO), as well as litigations before the IP High Court. He has handled more than 50 opposition and appeal proceedings before the JPO and their High Court appeals over the course of his carrier to date. Recent technologies he has been involved with include advanced life sciences such as regenerative medicine (e.g., stem cell technologies), cancer immunotherapy (e.g., TCR and CAR-T technologies, immune checkpoint inhibitors), gene therapy (e.g., genome editing, viral cancer therapy, DNA vaccine), nucleic acid medicine (e.g., antisense oligonucleotide, siRNA, miRNA, aptamer), antibodies (e.g., antibody medicine, diagnosis, human antibody production system), gene diagnosis (e.g., epigenetic diagnosis, metagenome analysis), biomarkers and the like, pharmaceuticals (e.g., new chemical compounds, second medical use, pharmaceutical compositions, new dosage form), biomaterials (e.g., culture medium, culture device, DDS carrier), foods and cosmetics.

With extensive experience in formulating patent strategies and managing patent portfolios, Mr Kamada counsels and renders opinions on patent validity, patent infringement and patent or knowhow licensing. He also counsels clients on freedom-to-operate issues.

Mr Kamada provides a number of lectures for IP members and researchers in pharmaceutical companies, universities, research institutes and other organizations related to IP in Japan on how to patent biotechnology inventions. He has also published articles in IP journals in Japan.

Mr Kamada graduated from Kyoto University with B.S. degrees in biology and chemistry, and then pursued graduate studies on molecular biology and genetic engineering at Hiroshima University. He joined TAKASHIMA International Patent Office in 1995, became Head of the Biotechnology Department in 2000 and has served as Vice President of the firm since 2006.



TAKASHIMA
International Patent Office

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