

Dehns

Patent and Trade Mark Attorneys

**Patent Group:
Photonics**





Philip Towler

Partner and Head of Group

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Professional Experience

Philip joined the firm in 1988 and became a Partner in 1998. Whilst studying for his degree in Oxford, he spent a year researching ultrafast laser-induced electron spin resonance techniques. He also completed a course in Quantum Chemistry.

Philip handles patent matters before the UK and European Patent Offices in all areas of chemistry, including pharmaceuticals, polymers, petrochemistry, pigments, electronic materials, photoimaging and food technology. He has substantial experience in representing clients in EPO opposition and appeal proceedings. Philip also maintains a thriving trade mark practice with clients inter alia in the retail, packaging, medical, chemical and civil engineering sectors.

EDUCATION

MA, University of Oxford, Natural Sciences (Chemistry), 1988

PROFESSIONAL QUALIFICATIONS

European Patent Attorney, 1993

UK Chartered Patent Attorney, 1994

Registered UK Trade Mark Attorney, 1994

Professional Representative before OHIM, 1995

MEMBERSHIP OF PROFESSIONAL BODIES

Fellow of the Chartered Institute of Patent Attorneys

Institute of Trade Mark Attorneys

European Communities Trademark Association

International Trademark Association

European Patent Institute



Louise Golding

Partner

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Professional Experience

Louise joined the firm in 1990 and became a partner in 2002. Her studies at Oxford included a year's research in quantum physics.

Louise handles patent work in all areas of chemistry including materials, electrochemistry, pharmaceuticals, medical and diagnostic methods, medical devices, nutraceuticals, and gas and oil technology. Her work in the materials field includes semi-conductors, LEDs and solar cells. Her clients range from Universities and start-ups to multi-national corporations such as Cree Lighting, Medtronic, Inc., and Statoil ASA. Louise has many long term clients in Norway and works for several Norwegian Universities.

Louise has considerable experience in patent drafting for a number of direct clients and routinely provides advice on general IP strategy. She has many years' experience in handling prosecution of patents in a diverse range of chemical fields. For several clients Louise's work involves the preparation of due diligence reports for potential investors and providing advice on freedom-to-operate issues.

Louise takes a keen interest in the patent box in the UK and has given talks on this topic. She is also a regular visitor to Japan.

EDUCATION

MA, University of Oxford, Natural Sciences (Chemistry), 1990

PROFESSIONAL QUALIFICATIONS

UK Chartered Patent Attorney, 1995

European Patent Attorney, 1995

MEMBERSHIP OF PROFESSIONAL BODIES

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Neil Campbell

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Professional Experience

Neil joined the firm in 1995 and became a Partner in 2003. Whilst studying for his degree in Oxford, he spent a year working for Professor George Fleet researching muscarinic analogues of the sugar L-rhamnose. He also completed a course in Chemical Pharmacology as part of his studies.

Neil handles work in various technical fields. Neil has particular knowledge of Polymer Chemistry, especially in polyethylene and polypropylene manufacture and formulation. Neil also has considerable experience in the drafting, prosecution and litigation of pharmaceutical patents. Other fields in which Neil has experience are as diverse as solid phase supports for biotechnological assays, X-ray contrast agents, marine paints and artificial stone to breakfast cereals, photographic chemicals, peptides and petrochemicals.

Neil is a regular traveller to Scandinavia, in particular Norway, where he deals with clients from University Professors and small start up companies through to large multinational corporates. He has also represented his clients in many opposition and appeal hearings before the EPO.

EDUCATION

BA (First Class), University of Oxford, Natural Sciences (Chemistry), 1995

PROFESSIONAL QUALIFICATIONS

UK Chartered Patent Attorney, 1999

European Patent Attorney, 1999

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Christopher Goddard

Partner

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Professional Experience

Chris joined the firm in 1999 after completing his studies at the University of Cambridge. Whilst at Cambridge he carried out an undergraduate research project into the use of Catalytic Antibodies in organic synthesis, and later became a postgraduate Research Associate at the University Chemical Laboratories, where he was involved in the development of a Solid-Phase Multiple-Parallel Synthesis Platform in collaboration with PE Biosystems, California.

Chris became a Partner of the firm in 2013. He handles patent work for a variety of clients from sole-inventors and small biotech companies to multinational corporations. A considerable proportion of his work originates from clients in Scandinavia. Chris provides patent drafting, filing, international prosecution and advice services and has experience in oppositions and appeals before the EPO. Chris works with inventions from a broad range of chemical technologies including organic chemistry, polymers, fluorochemicals, pharmaceuticals, in vivo delivery formulations and diagnostic assays. He has also been involved in litigation work in the UK and elsewhere.

EDUCATION

BA, University of Cambridge, Natural Sciences (Chemistry), 1994

PhD, University of Cambridge, Thesis Title: "Resin-bound Synthesis and Template-based Chemical Libraries", 2000

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, University of London, 2001

European Patent Attorney, 2003

UK Chartered Patent Attorney, 2004

MEMBERSHIP OF PROFESSIONAL BODIES

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Philip Jeffrey

Partner

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Professional Experience

Philip is a Chartered UK Patent Attorney and an European Patent Attorney with a first class degree in Physics and a PhD in holographic information processing. He joined Dehns in 1994 and became a Partner in 2002. Philip is an experienced patent attorney with technical expertise across a wide range of high-technology physics and engineering fields including photonics, optoelectronics, mass spectrometry, oil drilling and exploration, nanotechnology, DVDs, holography, lasers and optical communication systems.

Philip acts for several major US corporations including Waters Corporation, Micromass and Baker Hughes Incorporated. In addition to extensive UK and EPO drafting and patent prosecution experience, Phil has experience in UK revocation and post-grant proceedings and in EPO Opposition and Appeal hearings.

He also has a significant amount of experience effectively prosecuting US patent applications including US Examiner interviews. Phil has a very high UK, EPO and US patent allowance rate. He also regularly provides detailed patentability, infringement, validity, due diligence and other strategic advice and analysis to both large corporations as well as SMEs. Philip takes an interest in trends and developments in the world of patents including the proposed EU unitary patent system.

Philip is a regular visitor to the US, Japan and China and is a member of Dehns' Management Board.

EDUCATION

BSc Hons (First Class), Southampton University, Physics, 1991

PhD, Southampton University, "Holographic Information Processing", 1994

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, University of London, 1995

European Patent Attorney, 1998

Professional Representative before OHIM, 1999

UK Registered Patent Attorney, 1999

MEMBERSHIP OF PROFESSIONAL BODIES

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John Tothill

Partner

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Professional Experience

John joined the firm in 1991 and became a Partner in 1999. At Cambridge he studied physics and materials science with options in electronics, microelectronics and optical materials. He was awarded the Strode Prize by the Chartered Institute of Patent Agents for his performance in the Institute's final examinations.

John drafts and prosecutes patent applications in all areas of high technology, including electronics, microelectronics and microprocessors, computing, software, telecommunications, photonics, optoelectronics, lasers, optics and other physics and engineering fields.

He also regularly advises on infringement and validity of patents in these fields and on related issues, including the exploitation and use of intellectual property rights. John has particular experience in advising on patents relating to telecommunications standards and has been heavily involved in licensing negotiations relating to patents alleged to be essential to standards.

John has also been heavily involved in a number of major telecommunications cases, including litigation of patents concerning the GPRS standard and mobile email systems. John also has particular interest and experience in assisting and advising SMEs, new and start-up companies in high technology industries both in the UK and Europe. This includes developing intellectual property portfolios, exploiting intellectual property assets and addressing the intellectual property of competitors.

EDUCATION

MA (First Class), University of Cambridge, Natural Sciences (Physical), 1991

PROFESSIONAL QUALIFICATIONS

UK Chartered Patent Attorney, 1996 (Awarded Strode Prize for final examinations)

European Patent Attorney, 1996

Professional Representative before OHIM, 1996

MEMBERSHIP OF PROFESSIONAL BODIES

Fellow of the Chartered Institute of Patent Attorneys

European Patent Institute



Andrew Chiva

Partner

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Professional Experience

Andrew is a Chartered UK Patent Attorney and an European Patent Attorney with a first class degree in Physics. He joined the firm in 2002. Andrew was awarded the Gill Prize by the Chartered Institute of Patent Attorneys for highest overall results in his professional examinations, as well as the Strode Prize for highest marks in the practice paper.

Andrew is an experienced patent attorney with technical expertise across a wide range of high-technology physics and engineering fields including mass spectrometry, photonics, optoelectronics, optical projectors, optical communication systems, satellite navigation, oil drilling and exploration, containers, sanitary products and manufacturing processes, sprinkler systems and DVDs. Andrew acts for several major US corporations including Waters Corporation, Micromass, Baker Hughes Incorporated and Kimberley-Clark, as well as acting for SMEs and individuals.

Andrew has extensive experience in oppositions and appeals before the European Patent Office, with a very high success rate. He also has extensive UK and EPO drafting experience and is very experienced in prosecuting patent applications in the US, EPO, UK and other jurisdictions. Andrew also provides patentability, infringement, validity and due diligence advice in the above technical fields.

EDUCATION

MSci (First Class), Imperial College, London, Physics, 2001

PROFESSIONAL QUALIFICATIONS

UK Chartered Patent Attorney, 2006 (Awarded Gill Prize for first place overall and Strode Prize for first place in practice paper)

Certificate in IP Law, University of London, 2003

MEMBERSHIP OF PROFESSIONAL BODIES

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European Patent Institute



Jennifer Gordon

Associate

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Professional Experience

Jennifer joined the firm in 2008 and became an Associate in 2014. Whilst studying for her degree in Edinburgh, she gained experience in synthetic organometallic chemistry and later completed a PhD working with organometallic complexes of ruthenium and osmium. During this period, Jennifer also obtained experience in numerous analytical methods including crystallography, NMR, mass spectrometry and electrochemistry. She also spent time working with biological assays and cell culture.

Jennifer handles patent work relating to technologies in a variety of chemical fields, such as petrochemicals, polymers and pharmaceuticals as well as biochemical inventions, medical methods and assays. She represents clients ranging from sole-inventors and small companies to multinational corporations. A considerable proportion of her work originates from clients in Scandinavia.

Jennifer has experience in all aspects of patent work including drafting applications, prosecution of UK and European patent applications and can advise on issues such as worldwide filing strategies, patent enforcement and infringement and validity. She also manages the prosecution of international patent portfolios for her clients and regularly takes part in opposition and appeal proceedings before the European Patent Office.

EDUCATION

MChem (First Class) University of Edinburgh, Chemistry, 2005 (Awarded the Gillies Prize for obtaining the highest overall mark and the Stephenson Prize for the best final year research project)

PhD, University of Edinburgh, Bioorganometallic Complexes of Ruthenium and Osmium, 2009

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2009

European Patent Attorney, 2012

UK Chartered Patent Attorney, 2012

MEMBERSHIP OF PROFESSIONAL BODIES

Fellow of the Chartered Institute of Patent Attorneys

European Patent Institute

Member of the Royal Society of



Alexander Robinson

Associate

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Professional Experience

Alex joined the firm in 2010 and became an Associate in 2016. He studied chemistry at the University of Oxford, where he specialised in physical chemistry and carried out a final-year research project on the photochemistry of spin-selective reactions. He remained at Oxford to build on this research by undertaking a doctorate in biophysical chemistry, during which he investigated optically-detected electron spin resonance phenomena relating to photochemical electron transfer processes in flavoproteins.

Alex handles patent work in a wide range of chemical fields, including patent applications relating to photonic materials such as OLEDs, compound semiconductors, laser diodes, solid-state dye-sensitised solar cells and quantum dots. His clients include major international companies such as DuPont and Statoil, as well as universities, SMEs and start-ups both in the UK and overseas, particularly in Norway. He works closely with academics in the physics and materials science departments at Oxford University to protect their inventions relating to optical spectroscopy and optoelectronic devices, many of which are undergoing commercialisation through spin-out companies.

Alex has extensive experience of drafting and prosecuting patent applications in the UK and Europe as well as coordinating filing and prosecution strategies in other major markets such as the USA, Japan and China. He also provides patentability and freedom-to-operate advice, and has been closely involved with EPO Opposition and Appeal proceedings, including successfully defending a major industrial client's portfolio of patents relating to OLED materials against invalidity challenges by a competitor.

EDUCATION

MChem (First Class) University of Oxford, Chemistry, 2006

PhD, University of Oxford, Chemistry, 2011

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2011

European Patent Attorney, 2015

UK Chartered Patent Attorney, 2015

MEMBERSHIP OF

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Fellow of the Chartered Institute of Patent Attorneys

European Patent Institute

Associate Member of the Royal Society of Chemistry



Samuel Dewhurst

Associate

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Professional Experience

Samuel joined the firm in 2010 after graduating with a First Class Honours degree in Physics from the University of Manchester. In 2010 he obtained a PhD in Physics from the University of Cambridge, where he worked in collaboration with Toshiba Research Europe Ltd focussing on semiconductor quantum dots and related technologies and their uses for quantum information processing applications.

Samuel became an Associate in 2016. He drafts and prosecutes patent applications in all areas of high technology, including electronics, computing, software, semiconductor devices, telecommunications, optics, photonics, mass spectrometry and other physics and engineering fields. Samuel has considerable experience in handling international patent portfolios across multiple jurisdictions, as well as providing freedom to operate and infringement/validity advice for companies in the UK and abroad.

EDUCATION

MPhys (First Class), University of Manchester, Physics, 2006

PhD, University of Cambridge, Physics, 2010

PROFESSIONAL QUALIFICATIONS

UK Chartered Patent Attorney, 2014

European Patent Attorney, 2014

Certificate in IP Law, Brunel University, 2011

MEMBERSHIP OF

PROFESSIONAL BODIES

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European Patent Institute



Suzannah Merchant Assistant

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EDUCATION

MPhys (First Class), University of Oxford, Physics, 2006

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2012

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

Suzannah graduated from the University of Oxford in 2006 with a first-class Master of Physics degree. In her final year she specialised in lasers, optics, quantum information processing and theoretical physics, and undertook a computational research project modelling error correction in quantum networks. She remained at Oxford to pursue a D.Phil in the field of terahertz spectroscopy. Her research focused on the analysis of terahertz data for thin-film semiconductor materials. Suzannah joined the firm in 2011.



Thomas Parry Associate

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EDUCATION

MSci, University of Cambridge, Natural Sciences, 2010

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2013

Professional Experience

Tom graduated from the University of Cambridge with a first-class MSci degree in Natural Sciences (Physics). Prior to joining Dehns he worked in the Optoelectronics Group at the Cavendish Laboratory, Cambridge, where his research focussed on fundamental studies of charge transport in organic materials, for potential application to a variety of organic electronic devices such as OFETs, OLEDs and solar cells.

He handles patent work in a wide range of high-tech/ mechanical fields including spectrometry, scientific instruments, medical devices, consumer products, oil/gas exploration, ICT and telecommunications, and has experience with



James Ring Assistant

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EDUCATION

MSci, University of Bristol, Physics, 2009

PhD, University of Bristol, Theoretical Physics, 2013

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

James graduated from Bristol University in 2009 with a Masters degree in Physics, staying on for another four years to obtain a Ph.D in Theoretical Physics. His research in Optics led to the introduction of several new laser beam profiles with unusual properties and various applications in superresolution imaging and microparticle manipulation.

James joined the firm in 2013 and handles a variety of work in Physics and Engineering.



Joseph Dewhurst Assistant

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EDUCATION

MPhys (First Class), University of Manchester, Physics, 2006

PhD, University of Warwick, Physics, 2010

MSc, University of Manchester, Medical Physics, 2011

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

Joseph joined the firm in 2015 after spending five years as a medical physicist at The Christie Hospital in Manchester where he carried out research including Monte Carlo simulations of light and photosensitizer propagation in tissue for photodynamic therapy dosimetry. He has a First Class Honours MPhys physics degree from the University of Manchester, spending the third year of his course at the University of California at Santa Cruz. He went on to obtain a PhD in plasma physics from the University of Warwick, studying turbulence in the edge region of nuclear fusion devices in collaboration with the National Institute for Fusion Science (NIFS) in Japan. He deals with patent applications in a range of physics and engineering fields including electronics, computing, semiconductor devices, telecommunications and mass spectrometry.



Thomas Williams Assistant

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EDUCATION

MPhys (First Class), University of Durham, Physics, 2014

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2015

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

Thomas joined the firm in 2014 after graduating with a first-class Masters degree in Physics from Durham University, specialising in lasers, optics, quantum information processing and astronomy. During his fourth year he carried out a project on spatial light modulation of laser beams for use in trapping and manipulation of cold atoms.



Samuel Cleary Assistant

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EDUCATION

MEng (First Class), University College London, Electronic Engineering and Computer Science, 2014

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Brunel University, 2015

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

Samuel joined the firm in 2014 after graduating from University College London with a first class MEng degree in Electronic Engineering with Computer Science, earning a place on the Dean's List of top graduates.

In his third year, he carried out a project modelling moth-eye anti-reflective nanostructures for use in thermochromic smart windows. During his fourth year, he worked on electrospinning organic nanofibres. He also did a summer internship with BP, working on instrumentation and protective systems for use on offshore oil & gas platforms.



Hector Manly Assistant

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EDUCATION

MPhys (Physics), Oxford University, 2012

PROFESSIONAL QUALIFICATIONS

Intellectual Property Law Post-Graduate Certificate, 2016 (Queen Mary University of London)

MEMBERSHIP OF PROFESSIONAL BODIES

Student of the Chartered Institute of Patent Attorneys

Professional Experience

Following a four year Master's Degree in Physics at Oxford University, with specialisation in Astrophysics and Biophysics, Hector joined Dehns in September 2016, and now works at the firm's Brighton office.

Hector works with a wide variety of engineering patents in industries which include oil and gas exploration, semiconductor memory, mass spectrometry and telecommunications.

Hector works with a broad range of multinational companies, primarily on the prosecution of European and UK patent applications, as well as a number of small and medium sized businesses.



Conor McLaughlin Assistant

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EDUCATION

Msci Natural Sciences (Atomic & Particle Physics and Physical Chemistry), UCL, 2016

PROFESSIONAL QUALIFICATIONS

Certificate in IP Law, Queen Mary University of London, 2017

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

After completing a summer internship with Dehns in 2015, Conor joined as a Technical Assistant in 2016 after obtaining a Masters degree in Natural Sciences (Atomic & Particle Physics and Physical Chemistry) at UCL.

Conor's work covers a variety of areas in the engineering field, from gas turbine engines to devices for musical instruments, with a range of clients including large multinational companies and SMEs. He has experience in all aspects of patent prosecution and in drafting new patent applications, he also has experience in filing registered designs.



Richard Whiter

Assistant

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EDUCATION

M.Phys (Hons), Physics, University of Southampton, 2011

PhD, Nanostructured Ferroelectric Polymers, University of Cambridge, 2017

MEMBERSHIP OF PROFESSIONAL BODIES

Student Member of the Chartered Institute of Patent Attorneys

Professional Experience

Richard joined Dehns in 2017 following the completion of a PhD. in nanostructured ferroelectric polymers at the University of Cambridge. Prior to that, he completed a Master of Physics degree at the University of Southampton, which included carrying out research on plasmonic nanoantennas.

Richard has gained experience working on patents from a wide variety of areas within the physical sciences, including optical and electromagnetic sensors, as well as in the composition, construction and production methods of consumer products. He assists with drafting and prosecution of patent applications for a variety of clients, ranging from SMEs to large multinational companies.

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