



UNIVERSITY OF
BIRMINGHAM

School of Biosciences

<https://www.nature.com/naturecareers/job/faculty-positions-university-of-birmingham-761979>

Faculty Positions with the School of Biosciences and the new Centre for Environmental Research & Advocacy (CERA), University of Birmingham (UK)

A range of posts to support in the fields of **toxicology**, **data science** and **chemical biology** including Grade 8 or 9 open-contract faculty positions, salary ranges from £43,414, to £80,613.

The College of Life and Environmental Sciences at the University of Birmingham (UK) invites applications from people whose work will push forward the boundaries of research knowledge and education in toxicology (human and environmental) and chemical biology. These posts will make an impact on people's lives through education and research and operate at the interface of human and environmental health.

The College seeks to appoint four posts, starting on 1 October 2022 or as soon as possible thereafter, with outstanding credentials in either education (one post) or research and education (three posts), yet with demonstrated strengths in both. Our degree programmes for Toxicology, Biochemistry, Biological Sciences, Human Sciences, and Global Environmental Change and Sustainability combined with the launch of a new trans-disciplinary Centre for Environmental Research & Advocacy (CERA) offer our new colleagues an exciting opportunity and a supportive milieu to creatively grow their careers at a premier Russell Group University. These appointments arise at a critical time for the study of toxicology and environmental science, driven by the societal need for leaders and their solutions to tackle the wide-reaching planetary problems. The University of Birmingham is an equal opportunity employer wishing to recruit the rising stars in academia to deliver transformative scientific training and research for the protection of human health and the environment.

Assistant or Associate Professor in Toxicology (Education)

Job Reference: [99859/99542](#)

We have one post for an Assistant or Associate Professor (Education) in Toxicology. This exciting opportunity will see the post-holder integrate into a team of existing academic staff who deliver research-led and skills-based teaching on the highly successful Masters programmes in Toxicology within the School of Biosciences. These programmes have continuously attracted high-quality students from the UK and beyond since 1979 and benefit from strong external and industry interactions. The appointee will be expected to contribute to plans to grow the MSc Toxicology programme by managing and contributing to existing modules and by helping to develop new modules reflecting recent advances in the toxicology landscape.

Teaching will include making a substantial contribution to the delivery of the MSc Toxicology programme as well as introducing toxicology and environmental health protection within the existing undergraduate degree curriculum. The post-holder will also need to be able to contribute to our fundamental Biochemistry programme in molecular and chemical sciences.

Prof John Colbourne, University of Birmingham Edgbaston Birmingham B15 2TT United Kingdom
T: +44 (0)121 414 5423 F: +44 (0)121 414 5925 Email: J.K.Colbourne@bham.ac.uk

Assistant or Associate Professor in Chemical Biology (Research & Education)

Job Reference: [99947/99947](#)

We have one post for an Assistant Associate Professor (Research and Education) in Chemical Biology. Our research addresses global challenges to the health and wellbeing of people, animals, plants, and the environment. We welcome applications from individuals studying chemical probes, natural product chemistry or the design of biosynthetic enzymes, but remain open to other exciting research activities in the chemical biology space. Candidates who combine chemical biology approaches with analytical methods such as mass spectrometry, structural biology, single molecule spectroscopy or high-throughput advanced microscopy will find rich opportunities for multi-faceted interactions with colleagues across our campus.

The successful candidate will establish an externally funded research programme and make a significant contribution to School's Education portfolio by developing and delivering undergraduate and postgraduate education in Chemical Biology and/or Organic Chemistry. In addition, the appointee will contribute to the school through management/leadership, and enterprise activities, as appropriate.

Positions in CERA

We have posts for two new colleagues in CERA who are invited to join our existing team of twelve investigators from the College of Life and Environmental Sciences (LES), College of Arts and Law (CAL), and College of Medical and Dental Sciences (MDS). Each recruit will sit within CERA and the School of Biosciences to grow their independent research programmes while directly contributing to the seven-year, €400 million project: European Partnership for the Assessment of Risks from Chemicals (PARC). We also have one post for a Centre and Business Manager to support the development and running of CERA.

Assistant or Associate Professor of Precision Toxicology (Research & Education; CERA Post 1)

Job Reference: [99859/100072](#)

The post-holder has the expertise and demonstrates leadership in the research area of omics applied to regulatory toxicology. The University of Birmingham prides itself on its capabilities in genomics, transcriptomics, and metabolomics, including Phenome Centre Birmingham – an internationally recognised metabolomics facility. The School of Biosciences is looking to also expand its unique strengths in toxicology (especially by New Approach Methodologies, i.e., using 3Rs-compliant model species and in vitro models). We welcome applicants who are in their early or mid-career and who have (i) an outstanding research record in regulatory and molecular toxicology (human or environment), (ii) a scientific vision, enthusiasm, and interpersonal skills to shape the direction and emphasis of toxicology research, teaching, and impact, (iii) a commitment to develop and deliver undergraduate, postgraduate and CPD programmes in the areas of molecular toxicology.

Assistant Professor of Environmental Bioinformatics (Research & Education; CERA Post 2)

Job Reference: [99858](#)

The post-holder has substantial expertise in the research area of computational systems biology, multi-omics data integration, Machine Learning and Artificial Intelligence applied to regulatory toxicology. The University of Birmingham also prides itself on its capabilities in data science, including the Centre for

Computational Biology. The School of Biosciences is looking to expand its unique strengths in systems toxicology (i.e., using data-driven in silico methods and systems-level approaches) for advancing our understanding of, and response to, toxic chemicals in our environment. We welcome applicants who are in their early-career and who can (i) create novel computational and analytical methods to address the challenges of environmental toxicology, (ii) develop and deliver undergraduate, postgraduate and CPD programmes in the areas of machine learning for human and environmental toxicology.

Both candidates will also be considered based on their willingness to recruit and train the next generation of environmentalists while adding value and research income to the Centre.

Standard professorial duties include teaching and research, examining, supervision and administration. The professors will be based in Birmingham, UK. A competitive salary will be offered.

About CERA

The Centre for Environmental Research and Advocacy (CERA) combines modern science and law to make the environment safe from toxic chemicals and to defend people's rights to a healthful environment. Its mission is to help remedy harm to human health and the environment caused by pollution. A scientific objective of the Centre is to advance an emerging field called Precision Toxicology. Environmental justice is achieved by improving evidence-based governance interventions. Unlike traditional academic pursuits which oftentimes divide global problems into research silos, this transdisciplinary research centre creates conditions for people to proactively uncover – and ultimately break – the chains of cause and effect that link chemicals to their toxicity to humans and the environment.

How to Apply

For informal enquiries, contact Dr Julia Myatt at J.P.Myatt@bham.ac.uk and Prof John Colbourne at J.K.Colbourne@bham.ac.uk

Please quote the appropriate Job Ref in all enquiries. Information can also be obtained from <http://www.birmingham.ac.uk/staff/jobs/index.aspx>

Apply here:

<https://bham.taleo.net/careersection/external/>

Applications, consisting of a letter of application, a statement of current and future research plans where appropriate (of up to 2 pages), a statement of your approach to education (up to 2 pages), a curriculum vitae and a publications list, along with details of three referees should be made online no later than **21st August 2022**.

We value diversity and inclusion at the University of Birmingham and welcome applications from all sections of the community and are open to discussions around all forms of flexible working.

Qualification: PhD

Job Type: Faculty Member

Discipline: Life Science

Hours: Full Time

Duration: Open Contract