

## Dr Filippo Prischi CV

### Employment History

---

- Apr 2023 – present:** **Senior Lecturer**  
Randall Centre for Cell and Molecular Biophysics, School of Basic and Medical Biosciences, King's College London (London, UK)
- Oct 2020 – Mar 2023:** **Senior Lecturer in Biochemistry**  
Sep 2019 – Oct 2022: Director of Student Recruitment
- Jun 2015 – Oct 2020:** **Lecturer in Biochemistry**  
University of Essex (UoE), School of Life Sciences (Colchester, UK).
- May 2010 – May 2015:** **Postdoctoral Researcher.**  
Department of Life Sciences, Imperial College London (London, UK).  
The project I worked on focused on gaining structural and mechanistic insights into components of the Unfolded Protein Response (UPR). -  
*Group Leader: Dr Maruf Ali.*

### Qualifications

---

- Oct 2005 – Feb 2010:** **Ph.D. Biochemistry** – Joint project National Institute for Medical Research - MRC (London, UK) and University of Siena (Siena, Italy) –  
*Supervisors: Prof Annalisa Pastore & Prof Neri Niccolai.*
- Nov 2003 – Sep 2005:** **2 years M.Sc. Molecular and Cell Biology (110 summa cum laude)** –  
*Supervisor: Prof Neri Niccolai.* University of Siena (Siena, Italy).
- Sep 2000 – Nov 2003:** **B.Sc. Biological Sciences (110 summa cum laude)** – *Supervisor: Prof Neri Niccolai.* University of Siena (Siena, Italy).

### Accreditations & Training Courses

---

- Oct 2022:** National Scientific Qualification (**Abilitazione Scientifica Nazionale**) - 05/E1 Biochemistry for Associate Professor (Ministry of Education, University and Research, Italy).
- Sep 2021:** **Mental Health First Aid course** - Mental Health First Aid (MHFA) England courses are internationally recognised and accredited. This two-day course trains as a Mental Health First Aider.
- May 2021:** National Scientific Qualification (**Abilitazione Scientifica Nazionale**) - 05/E2 Molecular Biology for Associate Professor (Ministry of Education, University and Research, Italy).
- Jul 2017:** **Fellow of the Higher Education Academy (FHEA)** - The fellowship is a professional recognition accredited by the Higher Education Academy, the UK national body which champions teaching excellence.
- Nov 2013:** **Executive Education in Project Management** - The course is based on the Association for Project Management's Body of Knowledge and offers an effective grounding in project management.  
University College London (UCL), London, UK.
- 2006** Italian Professional Practice Exam (**Esame di Stato**) and licensed as a professional biologist

### Grants and Awards

---

- Apr 2022 – June 2022** **University of Essex Rapid and Agile Project Funding (£49,733.18)** - The development of therapeutics for COVID-19 variants. Lead PI: Dr Brooke, Co-PIs **Dr Prischi**, Dr Giotis, Dr Mohr, Dr Zwacka.

## Dr Filippo Prischi CV

<b>Mar 2022</b>	<b>French Embassy in London and the British Council Funding for Seed Meetings - International cooperation in research between France and the UK.</b> - Plants in times of climate change. Defining the role of redox and kinase signalling pathways in controlling plant growth under environmental stress. Lead PI UK Dr Bechtold (Durham University), Lead PI France Dr Meyer (University Paris Saclay, Versailles), Co-PI <b>Prischi</b> .
<b>Apr 2019 – Dec 2022</b>	Leverhulme: <i>Research Grant (£286,928.31)</i> - Flipping the switch; regulating protein synthesis in response to stress. <b>PI: Dr Prischi</b> .
<b>Jul 2019</b>	Atomwise <i>AIMS Award Programme (Nominal value \$385,000)</i> - Androgen Receptor (AR) (A19-396). Lead PI: Dr Brooke, <b>Co-PI Dr Prischi</b>
<b>Oct 2019 – June 2021</b>	Bicycle Therapeutics (£15,000) - Development of novel cancer treatments: structural studies of Nectin 4 in complex with bespoke anti-cancer peptides. <b>PI: Dr Prischi</b>
<b>Aug 2019 – Apr 2021</b>	Apollo Therapeutics and EIRA <i>research grant (£50,000)</i> - Development of specific inhibitors that prevent hnRNPA1-mediated therapy resistance in small cell lung cancer. <b>PI: Dr Prischi</b>
<b>May 2019 – Jun 2019</b>	East Suffolk and North Essex NHS Foundation Trust (£7,700) - ProteinSafe™. <b>Lead PI: Dr Prischi</b> , Co-PI Dr Bavro.
<b>Sept 2017 - Aug 2019</b>	Wellcome Trust: <i>Seed Awards in Science (£99,825.00)</i> – Understanding how RSKs regulate Transcription Factors in Triple Negative Breast Cancer. <b>PI: Dr Prischi</b>
<b>2022</b>	Biochemical Society: <i>Sponsored Event Grant (£350)</i>
<b>2019</b>	Biochemical Society: <i>Travel grant (£400)</i> .

### Competitive Access to International Facilities

---

<b>Nov 2022</b>	SACLA (60h beamtime) - High throughput and time-resolved fixed target SFX of metalloproteins. PI Dr Hough. Co-Is <b>Prischi</b> , Worrall (UoE), Tews (University of Southampton), Owen, Axford (Diamond Light Source).
<b>May 2022</b>	SACLA (60h beamtime) - High throughput and time-resolved fixed target SFX of metalloproteins. PI Dr Hough. Co-Is <b>Prischi</b> , Worrall (UoE), Tews (University of Southampton), Owen, Axford (Diamond Light Source).
<b>Feb 2022</b>	SACLA (60h beamtime) - High throughput and time-resolved fixed target SFX of metalloproteins. PI Dr Hough. Co-Is <b>Prischi</b> , Worrall (UoE), Tews (University of Southampton), Owen, Axford (Diamond Light Source).
<b>Jun 2021</b>	SACLA (60h beamtime) - High throughput and time-resolved fixed target SFX of metalloproteins. PI Dr Hough. Co-Is <b>Prischi</b> , Worrall (UoE), Tews (University of Southampton), Owen, Axford (Diamond Light Source).
<b>Jun 2018</b>	X-Chem Diamond Light Source (12h beamtime) ( <i>nominal value £76,752.00</i> ) - Targeting hnRNPA1 for the treatment of Small Cell Lung Cancer. <b>PI: Dr Prischi</b>

### Teaching & Supervision

---

<b>2017 – 2022</b>	Module Supervisor "BS281 Protein Bioinformatics" (UoE).
<b>2017 – 2019</b>	Coordinator of an ERASMUS+ project between the School of Life Sciences (UoE) and the Department of Biotechnology, Chemistry and Pharmacy (University of Siena).
<b>2015 – 2022</b>	Module Supervisor "BS131 Biochemistry of Macromolecules" (UoE).
<b>2005 – 2009</b>	Lecturer "Laboratory of Bioinformatics" (University of Siena).

- I am supervising 2 PhD students (UoE).
- I have supervised to successful completion 3 PhD, 30 final year BSc, 11 MSc and 4 MSD students, 1 Research Technician and 2 Postdoctoral Researchers (UoE).
- I have co-supervised to successful completion 2 PhD and 1 MSc students (University of Siena), and 1 PhD student (Imperial College London).
- Since 2019 I'm a member of the PhD examination board for the PhD in Biochemistry and Molecular Biology (BiBiM 2.0) of the University of Siena, and I've examined 5 PhD students.

## Dr Filippo Prischi CV

### Consultancy

---

- 2020 – 2021 Lecturer “Pharmaceutical Biotechnologies” (Fondazione VITA, Siena, Italy).  
2021 Lecturer “Applied Biochemistry” (Fondazione VITA, Siena, Italy).

### Publications (last 5 years)

---

Full list of publications <https://scholar.google.co.uk/citations?hl=en&user=j8hfZGIAAAAJ>

1. Hough, M.A., **Prischi, F.**, Worrall, JAR. Perspective: Structure determination of protein-ligand complexes at room temperature using X-ray diffraction approaches. *Frontiers in Molecular Biosciences*. 10: 1113762 (2023).
2. Barbera, S., Raucci, L., Tassone, G., Tinti, L., **Prischi, F.**, Santucci, A., Mongiat, M., Tosi, GM., Galvagni, F., Dimberg, A., Pozzi, C., Orlandini, M. “Dimerization of the C-type lectin-like receptor CD93 promotes its binding to Multimerin-2 in endothelial cells” *International Journal of Biological Macromolecules*. 224, 453-464 (2023).
3. Galderisi, S., Milella, M.S., Rossi, M., Cicaloni, V., Rossi, R., Giustarini, D., Spiga, O., Tinti, L., Salvini, L., Tinti, C., Braconi, D., Millucci, L., Lupetti, P., **Prischi, F.**, Bernardini, G., Santucci, A. “Homogentisic acid induces autophagy alterations leading to chondroptosis in human chondrocytes: Implications in Alkaptonuria”. *Arch Biochem Biophys*. 717: 109137 (2022)
4. Chrysostomou, S.\* , Roy, R. \* , **Prischi, F.\***, Thamlikitkul, L., Chapman, K., Mufti, U., Peach, R., Ding, L., Hancock, D., Moore, C., Molina-Arcas, M., Mauri, F., Pinato, D., Abrahams, JL., Ottaviani, S., Castellano, L., Giamas, G., Pascoe, J., Moonamale, D., Pirrie, S., Gaunt, C., Billingham, L., Steven, NM., Cullen, M., Hrouda, D., Winkler, M., Post, J., Cohen, P., Salpeter, SJ., Bar, V., Zundevich, A., Golan, S., Leibovici, D., Lara, R., Klug, D.R., Yaliraki, S.N., Barahona, M., Wang, Y., Downward, J., Skehel, JM., Ali, MMU, Seckl, M.J., Pardo, O.E. "Repurposed floxacins targeting RSK4 prevent chemoresistance and metastasis in lung and bladder cancer". *Science Translational Medicine*. 13(602): eaba4627 (2021) \*contributed equally.
5. Cronin, R., Brooke, GN. §, **Prischi, F**§. “The role of the p90 ribosomal S6 kinase family in prostate cancer progression and therapy resistance.” *Oncogene*. 40 (22), 3775-3785 (2021).
6. **Prischi, F**§ and Filippakopoulos, P§. “Editorial: Structural Studies of Protein Complexes in Signalling Pathways.” *Frontiers in Molecular Biosciences*. 8, 641932 (2021).
7. Obomighie, I., Lapenas, K., Murphy, BE., Bowles, A., Bechtold, U. §, **Prischi, F**§. “The Role of Ribosomal Protein S6 Kinases in Plant Homeostasis”. *Frontiers in Molecular Biosciences*. 8, 24 (2021).
8. Deganutti, G., **Prischi, F.**, Reynolds, CA. “Supervised molecular dynamics for exploring the druggability of the SARS-CoV-2 spike protein” *J Comput Aided Mol Des* 35, 195–207 (2021).
9. Brooke, G. § and **Prischi, F.** § “Structural and functional modelling of SARS-CoV-2 entry in animal models”. *Scientific Reports*. 10, 15917 (2020).
10. Trezza, A., Iovinelli, D., Santucci, A., **Prischi, F.** § and Spiga, O. § “An integrated drug repurposing strategy for the rapid identification of potential SARS-CoV-2 viral inhibitors”. *Scientific Reports*. 10, 13866 (2020).
11. Spiga, O., Cicaloni, V., Fiorini, C., Trezza, A., Visibelli, A., Millucci, L., Bernardini, G., Bernini, A., Marzocchi, B., Braconi, D., **Prischi, F.**, Santucci, A. "Machine Learning application for development of a data-driven predictive model able to investigate Quality of Life scores in a rare disease". *Orphanet Journal of Rare Diseases*. 12;15(1):46 (2020).

### Talks & Conferences (last 5 years)

---

1. Obomighie, I., **Prischi, F.**, Bechtold, U. “AtS6K2 regulates salt and cold stress response through redox regulation”. 88<sup>th</sup> Harden Conference, Warwickshire, (UK), 2022.
2. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". BCA/BACG Spring Meeting, 29th Mar – 1st Apr 2021
3. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". Jain (deemed-to-be) University in Bangalore (India), Feb 5<sup>th</sup> 2020.
4. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". St. Joseph's College in Bangalore (India), Feb 6<sup>th</sup> 2020.
5. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and

## Dr Filippo Prischi CV

- bladder cancer". PES University in Bangalore (India), Feb 7<sup>th</sup> 2020.
6. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". M.S.Ramaiah University of Applied Sciences (India), Feb 7<sup>th</sup> 2020.
  7. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". University Malaya in Kuala Lumpur (Malaysia), Feb 10<sup>th</sup> 2020.
  8. **Prischi, F.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer". Universiti Teknologi MARA System (UiTM) in Kuala Lumpur (Malaysia), Feb 11<sup>th</sup> 2020.
  9. **Prischi, F et al.** "Targeting RSK4 prevents both chemoresistance and metastasis in lung and bladder cancer", *FEBS congress 2019*, Krakow (Poland), 6-14<sup>th</sup> Jul 2019.
  10. **Prischi, F.** "Targeting hnRNPA1 for the treatment of Small Cell Lung Cancer" *EEMaX symposium*, Norwich, Dec 12<sup>th</sup> 2018.
  11. **Prischi, F.** "Purification of protein kinases for structural studies" *Cambridge AKTA user day*, Cambridge, Sep 21<sup>th</sup> 2018.
  - 12.

## Professional societies & Esteem factors

---

### *Professional Societies:*

**Since 2016** Member of the *Association of Italian Scientists in the UK (AISUK)*

**Since 2010** Member of the *Biochemical Society*.

### *Professional Societies Committee:*

**Since 2022** Member of the *Biochemical Society* Early Career Network

**Since 2021** Member of the *Biochemical Society* research area committee II: Molecular Structure and Function.

**2020 - 2021** Member of the *Biochemical Society* ECR taskforce

**2016 - 2023** Essex branch coordinator of the *AISUK*

### *Academic Editor and Reviewer:*

**Since 2022** Scientific Reports editorial board

**2020 - 2022** Associate Editor BMC Molecular and Cell Biology.

**Since 2017** PLOS ONE editorial board

**Since 2017** Frontiers in Molecular Biosciences editorial board.

**Since 2017** Reviewer of UKRI, Wellcome Trust and Biochemical Society grants.

### *Organisation of Conferences and Seminars:*

**June 2024** Organising a 2.5 days *Biochemical Society* sponsored conference on "Protein Dynamics & Transient Interactions"

**2020 - 2021** Organised the 2020 and 2021 School of Life Sciences webinar series "Exploring the Science of Life".

**20<sup>th</sup> Dec 2016** Organised the 5<sup>th</sup> *EEMaX Annual Symposium* at UoE.

## EDI

---

- I am a STEM ambassador registered with STEM Learning.
- I am an LGBTQIA+ role model and I have put effort in my teaching practice and my interactions with staff and colleagues in offering support and championing inclusivity. I believe that visible LGBTQIA+ role models have an active role in creating a truly inclusive workplace and society.
- I'm a trained mentor and I currently have mentees at the University of Essex and University of Siena (via the alumni mentoring program).