

# Example of Academic CV



Careers Service  
University of Dundee

Stephanie Rait

Email: [srait50@gmail.com](mailto:srait50@gmail.com)

01382777000 (Home) / 07000475089 (Mobile)

30 Perth Street, Dundee, DD1 4EF

## Education

PhD - Cancer Research UK 4-year studentship  
University of Dundee, School of Medicine (expected Sep 2018)  
Supervisors: Professor Paul Petty and Dr Thomas Peck

Thesis titled: *'Proteomic approaches to novel biomarker discovery in triple negative breast cancer'*

Project involves the use of cutting edge proteomic approaches and high resolution fluorescence microscopy, in both human culture cells and animal models, to investigate potential disease biomarkers in aggressive breast cancer. Results from this work aim to uncover new molecular targets for potential development of targeted therapies.

- Research published in prestigious peer reviewed journals
- Data presented at national and international conferences
- Patent filed for novel breast cancer biomarker
- Awards: Poster prize for best poster at postgraduate student symposium (2015) ; BACR/CRUK student travel award (2014)
- Research skills include: LC-MS and MALDI-TOF mass spectrometry, SILAC labelling, cell culture, molecular cloning including production of stable cell lines, gene expression/qPCR, immunofluorescence microscopy and western blotting

2014-2015  
Cancer MRes  
Newcastle University

Modules included: Cancer studies, Research Skills and Principles for the Biosciences, Cell Cycle Control and Cell Signalling

6 month research project. Supervisor: Dr Melanie Omar

*'Investigating the tumour suppressor function of PTEN in UV-induced skin cancers'*

2001-2014  
BSc (Hons) Biomedical Sciences  
University of Edinburgh

Modules included: Cancer Biology and Medicine, Inflammation and Tissue Repair, Development and Disease and Critical Analysis Skills

Honours project. Supervisor Dr Ana Tevez Peralta

*'The role of phosphorylation in BUB1 recruitment to spindle checkpoints'*

2004-2010  
Gowrie High School, Perth  
Includes 1 Advanced Higher and 5 Highers

## Research Experience

2013

British Society for Cell Biology (BSCB) Summer Vacation Studentship

8 week placement in the laboratory of Dr Debra Fish at the University of Edinburgh working on proteins involved in nuclear transport.

- Introduction to work within a research lab and the use of techniques such as cell culture, protein purification, immunolabelling and confocal microscopy
- Results and analysis written up in report and submitted to BSCB
- Delivered presentation of results to department at the end of the placement

## Teaching Experience

Responsible for the direct supervision of undergraduate students during their Honours projects in the lab

- Acted as mentor to junior PhD students
- Regularly assisted the preparation and delivery of undergraduate practical classes

## Courses and Training

- Create and Inspire - Science Communication workshop at Dundee Science Centre (2017)
- Careers in Academia - Vitae event, London (2017)
- FEBS Advanced Proteomics workshop - Cambridge Centre for Proteomics, University of Cambridge (2016)
- Innovation for the Nation - 2 day workshop on commercialisation of research, University of Glasgow (2016)
- Introduction to 21<sup>st</sup> Century Mass Spectrometry - a 2 week intensive training course in mass spectrometry and proteomic methods, EMBL Heidelberg (2014)

## Additional Skills and Positions of Responsibility

- Languages - Fluent in German and currently learning Spanish
- IT - Highly experienced in proteomic analysis software, particularly MaxQuant. Extensive experience of Microsoft Office packages and statistical software including GraphPad Prism and SPSS. High level ability in Adobe Photoshop.
- Co-chair of Life Sciences student association
- Divisional representative on staff-student liaison committee

## Professional Affiliations

Student member of The British Association for Cancer Research (BACR)

## Public engagement and outreach activity

Cancer Research UK - Volunteer, fundraiser and participant in events such as Race for Life. This has included giving a talk about my research at events (2015 - 2017)

Science in the City – public engagement activities at Dundee Science Centre including speaking about research to the public and performing interactive experiments (2016)

## Patents

W076768449 - Novel protein complexes as molecular targets in breast cancer

## Conferences and Meetings

National Cancer Research Institute (NCRI) Conference - Liverpool, UK, 1-4 November 2017 (oral presentation)

American Association for Cancer Research (AACR) Annual Meeting - Philadelphia, USA, 18-22 April 2017 (poster presentation)

British Society for Investigative Dermatology (BSID) – Exeter University, 16 -18 April 2014 (poster presentation)

## Publications

Rait, S., Petty, P. and Peck, T. Proteomics in Cancer Biomarker Discovery (Review). *Manuscript in preparation*.

Rait, S., Petty, P. and Peck, T. Identification of Large Multiprotein Signalling Complexes for Therapeutic Targeting in Triple Negative Breast Cancer. *Manuscript in review*.

Brown, T., Smith, E., Rait, S., Jones, D. Peck, T. and Petty, P. (2016) Characterisation of Key Protein – Protein Interactions in Breast Cancer Cell Transformation. *Cancer Cell* 52(9), 1057-1072.

Rait, S., Brown, T., Peck, T., Petty, P. (2016) Overexpression of Tyrosine Kinase Signalling Pathway in Development of Aggressive Breast Cancer. *Br J Cancer* 34(12), 456-450.

Kray, Z., Roberts, P., Rait, S., Blanc, L., and Omar, M. (2014) PTEN Mutations Correlate With Disease Severity in Melanoma. *J Invest Dermatol* 132(8), 322-330.

## References

Professor Paul Pett  
Division of Cancer Research  
University of Dundee  
Email: P.Petty@dundee.ac.uk

Dr Melanie Omar  
Northern Institute for Cancer Research  
Newcastle University  
Email: m.omar@ncl.ac.uk

Dr Debra Fish  
Wellcome Trust Centre for Cell Biology  
University of Edinburgh  
Email: d.fish@ed.ac.uk

This is an example CV only. The content and format of your CV should highlight your own skills and experiences. For further information or to see a Careers Adviser, please come to a Quick Query or book an appointment on our [CareersPortal](#).

The information on this handout must not be copied, distributed or shared without permission from the University of Dundee Careers Service.