Kerryn Lesley Elliott

Date of Birth: 16th December 1982
Nationality: Australian
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Languages: English (native), Swedish

EXECUTIVE SUMMARY

I am a Ph.D. with several years of post doctoral training with a robust understanding of good scientific rigor and strong communication skills. I take pride in the ability to complete projects on time. I enjoy working both independentally and as part of a team to ensure the progression of projects. I am a positive and outgoing person according to those I have worked with.

POST DOCTORAL EXPERIENCE

2016-now Postdoctoral Researcher, The University of Gothenburg, Sweden
Investigating mutational processes and non-coding alterations in cancer

2012-2014: Postdoctoral Researcher, The University of Gothenburg, Sweden
Investigating the interactions of individual subunits of the molecular chaperone CCT

ACADEMIC QUALIFICATIONS:

2006 – 2011: Doctor of Philosophy (PhD)
Structure/ Function studies of the Adenomatous Polyposis Coli Protein
Supervisors: Prof. Tony Burgess, Dr Maree Faux, Dr Meredith Layton

2004: Bachelor of Science Honours (BSc Hons), Grade: H1 (85%)
Characterisation of murine homologs of the Mammalian Ependymin Related Protein
Supervisors: A/Prof Mark Kirkland, Dr Claudia Gregorio-King

2001 – 2003 Bachelor of Science (BSc), Grade: H1 (81%)
The University of Melbourne, Parkville, Victoria, Australia

EMPLOYMENT HISTORY:

2016 – now Postdoctoral Researcher, Gothenburg University, Sweden
2014 – 2015 Parental leave
2012 – 2014 Postdoctoral Researcher, Gothenburg University, Sweden
2011 – 2012 Postdoctoral Fellow, Ludwig Institute for Cancer Research, Parkville, Victoria, Australia
2010 – 2011 Casual aquarium staff, Ludwig Institute for Cancer Research, Parkville, Victoria, Australia
1998 – 2005 Laboratory Assistant, Aglab Services, Geelong, Victoria Australia

GRANTS AND AWARDS:

2019	Kungl. Vetenskaps- och Vitterhets-Samhället (KVVS)	SEK 12000
2017	Kungl. Vetenskaps- och Vitterhets-Samhället (KVVS)	SEK 9000
2017	Stiftelsen Wilhelm och Martina Lundgrens Vetenskapsfond	SEK 10,000
2016	Knut och Alice Wallenbergs Stiftelse	SEK 11000
2014	Stiftelsen Wilhelm och Martina Lundgrens Vetenskapsfond	SEK 20,000
2013 – 2014	Olle Engvist Stiftelse	SEK 140,000
2006 – 2009	Australian Postgraduate Award (APA). Stipend	AUD $21,000/year

MANUSCRIPTS:

Intragenomic variability and extended sequence patterns in the mutational signature of ultraviolet light

Markus Lindberg, Martin Boström, Kerryn Elliott, and Erik Larsson
PNAS October 8, 2019 https://doi.org/10.1073/pnas.1909021116 Citations:1

EACR Cancer Genomics 2019 conference: from tumour evolution to personalized immunotherapy

Andrés Lanzós and Kerryn Elliott
FEBS Journal September 25 2019 https://doi.org/10.1111/febs.15063 Citations: 0

Elevated pyrimidine dimer formation at distinct genomic bases underlies promoter mutation hotspots in UV-exposed cancers

Kerryn Elliott, Martin Boström, Stefan Filges, Markus Lindberg, Jimmy Van den Eynden, Anders Ståhlberg, Anders R Clausen, and Erik Larsson
PLOS Genetics December 26, 2018 https://doi.org/10.1371/journal.pgen.1007849 Citations:7

Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature

Nils Johan Fredriksson, Kerryn Elliott, Stefan Filges, Anders Ståhlberg and Erik Larsson
PLoS Genetics May 10, 2017 https://doi.org/10.1371/journal.pgen.1006773 Citations:21

A novel function of the monomeric CCTepsilon subunit connects the Serum Response Factor pathway to chaperone-mediated actin folding

Kerryn L Elliott, Andreas Svanstrom, Mathias Spiess, Roger Karlsson, Julie Grantham
Mol Biol Cell 2015 June 10 doi:10.1091/mbc.E15-01-0048 Citations:8

Immunopurification of recombinant Adenomatous Polyposis Coli (APC) proteins

Kerryn L Elliott, Bruno Catimel, Nicole L Church, Janine L Coates, Antony W Burgess Meredith J Layton and Maree C Faux
BMC Res Notes. 2013 Oct 25;6:429. doi: 10.1186/1756-0500-6-429. Citations: 1

SKILLS:

- NGS-based assays, including assay development for Illumina platforms
- Mammalian tissue culture, including maintenance of cell lines and transient transfections (DNA and siRNA)
- RNA extraction and q-PCR analysis
- DNA cloning
- Bacterial and Baculoviral protein expression and purification
- Molecular fusion protein expression
- Immunofluorescence and imaging using confocal microscopy
- Western blot analysis and quantitation
- Luciferase assay and data analysis
- BIAcore biosensor analysis
- Generation of stable cell lines with constitutive and inducible expression
- FACS analysis and sorting
- Mass spectroscopy analysis
- Problem solving, designing and implementing new protocols

TEACHING:

LÄG013	Molecular Cell Biology	60 hr (2017)
LÄG013	Biomedical research skills	20 hr (2017)
GTAC	Gene Technology Access Centre VCE program	250 hr (2006-2011)

CONFERENCE ABSTRACTS:

2019 **EMBL Cancer Genomics, Germany** **oral presentation**
Elevated pyrimidine dimer formation at distinct genomic bases underlies promoter mutation hotspots in UV-exposed cancers

2019 **EACR Cancer Genomics, UK** **poster presentation**
Elevated pyrimidine dimer formation at distinct genomic bases underlies promoter mutation hotspots in UV-exposed cancers

2017 **EMBL Cancer Genomics, Germany** **poster presentation**
Understanding recurrent promoter mutations in melanoma through CPD footprinting and whole genome split-CPD sequencing

2017 **EACR Cancer Genomics, UK** **poster presentation**
Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature dependent on UV light

2017 **Lorne Cancer Conference, Australia** **poster presentation**
Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature

2016 **Swedish Cancer Research Meeting, Sweden** **selected oral presentation**
Recurrent promoter mutations in melanoma are defined by an extended context-specific mutational signature

2014 **Gothenburg and Chalmers Science and Technology Day** **poster presentation**
The Epsilon Subunit of the CCT Molecular Chaperone Links Actin Folding to the SRF Signalling Pathway

2010 **Lorne Cancer Conference** **poster presentation**
Purification and in vitro binding analysis of the human Adenomatous Polyposis Coli protein

Referees

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Dr Julie Grantham
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