



Applied Category Theory &lt;act2019school@gmail.com&gt;

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**Query re. ACT 2019 School**

1 message

**ROFF Emily** <emily.roff@ed.ac.uk>

Tue, Jan 29, 2019 at 1:40 AM

To: "act2019school@gmail.com" &lt;act2019school@gmail.com&gt;

Dear Daniel and Jules,

I am a first-year PhD student at The University of Edinburgh, working with Tom Leinster. I'm interested in category theory and its applications across and beyond mathematics, and I'm writing to you regarding the ACT 2019 School.

I read the description of the School with interest and would have liked to be involved, but my responsibilities this semester are such that it won't be feasible for me to commit to the whole programme of reading. I appreciate that you're looking for participants who can play an active role throughout, but I thought it worth asking whether you could accommodate an 'auditor' during a couple of the sessions. I'd be especially keen to sit in on David Spivak's discussion of behavioural mereology and autopoiesis.

I'm attaching my CV, and if it would be helpful to have a more detailed description of my background and research interests I'll be happy to provide that as well.

Best wishes,

Emily Roff The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336.

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# Emily Roff

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## EDUCATION

**The University of Edinburgh**, PhD in Mathematics 2018-present  
Supervised by Tom Leinster.

**The University of Cambridge**, MAsT in Pure Mathematics 2017-2018  
Part III essay on commutative monads supervised by Martin Hyland.

**King's College London**, BSc (Hons.) in Mathematics 2015-2017  
Final year project in geometric analysis supervised by Simon Scott.

**The Open University**, modules in Mathematics 2012-2015  
Part-time distance learning, designed to bridge from high school mathematics into the first year of university.

**The University of Edinburgh**, MA (Hons.) in Scottish Ethnology 2005-2009  
An undergraduate degree including training in anthropological theory and ethnographic research methods.

## SEMINAR TALKS

*Čech and Rips complexes*, Working Seminar on Persistent Homology, Edinburgh 01/2019

*Commutative monads*, Part III Seminar, Cambridge 03/2018

## TEACHING EXPERIENCE

Teaching assistant for *Honours Algebra (Skills)*, University of Edinburgh Spring 2019

## INTERDISCIPLINARY ENGAGEMENT

**Robert Schumann Hochschule**, Düsseldorf 11/2018  
Invited participant at the *Form and Formalism* seminar – a series for students of music and media theory with an interest in category-theoretic ideas.

**Performing Arts Forum**, Saint-Erme-Outre-et-Ramecourt 06/2018  
Instructor at *Categories for the Hard-Working Non-Mathematician* – a week-long, philosophically oriented introduction to the basics of category theory for people without a university background in mathematics.

**NYU and Skowhegan Gallery**, New York 02/2018  
Invited participant at *The Institute of Physical Sociality* – a research group interested in mathematics and physics, ethics, gender and race, led by Karen Barad, Gabriel Catren, Fred Moten and Fernando Zalamea.

## PREVIOUS EMPLOYMENT

**Welfare rights adviser**, Glasgow and London 09/2011-12/2016  
at Child Poverty Action Group, Drumchapel Money Advice Centre and WestGAP; Chair of the management committee at WestGAP from 09/2013 to 07/2015.

**Arts producer**, Edinburgh and Glasgow 09/2006-09/2012  
at Tracer Trails and Arika.

## SCHOLARSHIPS & GRANTS

**EPSRC Research Studentship**, University of Edinburgh 2018-2022

**Women in Science Scholarship**, King's College London 2015-2016

While working for non-profit arts and welfare rights organisations from 2006 to 2016, led successful bids for funding from bodies including The Scottish Arts Council (Creative Scotland), The National Lottery, The PRS Foundation, Glasgow City Council, and The University of Edinburgh's Knowledge Exchange Fund.

## REFeree

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