

MSCA 2020

Achieving more together

Online Conference, 29 September 2020



Who am I: Shannon Whitlock



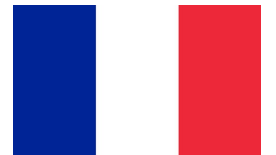
- **2007:** PhD in atomic physics, Melbourne, Australia
and Australian Center of Excellence in Quantum Atom Optics



- **2007-2010:** Postdoc & Marie Curie fellow, Amsterdam, The Netherlands
- **2010-2017:** PI & Emmy Noether group leader, Heidelberg, Germany



- **Presently:** Professor of experimental quantum science
@ University of Strasbourg, France (eqm.unistra.fr)



- Co-coordinator „Ecole Universitaire de Recherche“
International graduate school on Quantum science and Nanomaterials: qmat.unistra.fr



- Training manager for EU-MSCA programmes:
MSCA COFUND-DP „QUSTEC“ (2019) & MSCA ITN „MOQS“ (2020)



Marie Skłodowska-Curie cofund Trinational Doctoral Programme

France - Germany - Switzerland



Empowering
future experts in
Quantum Science
and Technology

Apply now!
eucor-uni.org/qustec

2019 CALL:
39 doctoral fellowships

OPENING DATE:
15 May 2019

DEADLINE:
19 August 2019

Quantum Science and Technologies at the European Campus

Interdisciplinary research, international networking, industry secondments.



The QUSTEC programme has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement number 847471.

QUANTUM SCIENCE AND TECH. AT THE EUROPEAN CAMPUS (MSCA-COFUND-DP)

Trinational doctoral programme for 39 ESRs (2019-2024)

Training programme
traversing all main
domains of QST



Highly international
setting +
geographical
proximity



Shared regional
graduate
programmes and
infrastructure



Matching the best
projects with the
top students
worldwide

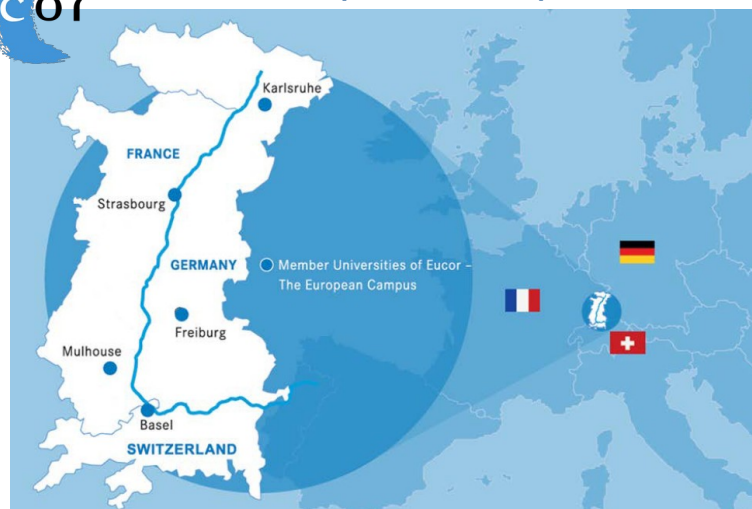


Individually
tailored 4 year
PhD training



eucor

The European Campus



QST

An exploratory field
with an emphasis on
scientific discovery



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+ Research Zurich

SUPERVISION CHALLENGES

Goal of a PhD: Become expert in their field & Learn scientific independence

Our strategy: Individually tailored research projects integrated in a host group

Challenge: Providing an environment that supports scientific discovery while managing competing expectations (**there is no one-size-fits-all**)

WHAT TO DO WHEN YOU'RE OVERWHELMED WITH WORK



CHANCES

- What can the European Commission do to facilitate the task of supervision in the future?

Emphasis on **individualized** training objectives over **centralized** ones

- Sometimes these can only be clearly defined after researchers start their projects
- Empower students/researchers to seek opportunities that best fit their goals

Added benefits of coordinated MSCA actions (especially training networks)

- networking & community, greater access to research infrastructure, new collaborations, mentoring, scientific and financial independence, career opportunities...

One wish: continuity for successful projects!