

Rose F.P. Waugh

PROFILE

Enthusiastic PhD student: keen on teaching and problem solving, seeking opportunities to contribute to the academic community and engage the next generation.

EDUCATION

SEP. 2017 – PRESENT

PhD Student

University of St Andrews, Fife

Thesis topic: “The magnetic fields of low mass stars”, working under the supervision of Prof. Moira Jardine.

Completed fire safety training.

SEP. 2012 – JUN. 2017

Theoretical Physics Master’s Degree (1st)

University of St Andrews, Fife

17.3 (80%) in Master’s dissertation entitled “Multi-temperature equilibria for plasma in complex stellar magnetic fields”.

AUG. 2006 – JUN. 2012

High School

Charleston Academy, Highlands

3 Bs at Advanced Higher (Maths, Chemistry and Physics), 5 As at Higher (inc. Human Biology and English), 6 1s at Standard Grade and 2As at Intermediate 2.

WORK EXPERIENCE

APR. - NOW 2021

Astrophysics course creator

Space Science llc

Wrote an astrophysics course for high school students, covering a range of astronomy and astrophysical concepts. This also involved creating quizzes, assessments and cartoon graphics to aid understanding.

MAR. - MAY. 2019

Resource Designer

University of St Andrews Admissions and Outreach, Fife

Created resources for National 5/Higher mathematics and physics courses for the First Chance Programme (which helps students at schools that are disadvantaged or lacking resources/permanent teachers). These included handouts with course material, worked examples and questions with solutions.

JUL. 2017

Local Organiser

SUSSP73 Summer School on Gravitational Waves

Publicised public events and helped with smooth running of the school.

JUN. – AUG. 2016

Summer Astrophysics Intern for Prof. Ian Bonnell

University of St Andrews, Fife

Self taught in Fortran in order to investigate N-body simulations.

JAN. 2016

Biophysics Intern for Prof. Kishan Dhokla

University of St Andrews, Fife

Became a registered laser worker, helped align a new laser and developed lab. skills.

JUN. – AUG. 2015

Summer Lab. Technician Intern for Mrs. Pam Hamilton

Charleston Academy, Highlands

Developed science experiments for school children and was responsible for a RSC funding application - maximal funding was granted (£1000).

TEACHING

- 2017 **PH4039 Tutorials**
One-on-one
- 2017 – 18 **AS1101 Tutorials**
2017 - 1 group, one-on-one
2018 - 2 groups
- 2018 **AS1101 Lab Demonstrating**
- 2018 – 20 **AS2001/AS2101 Tutorials**
2018 - 2 groups,
2019 - 3 groups,
2020 - tutorial cover
- 2020 **Time Management Workshop**
wrote and co-hosted the work-
shop for UGs

PUBLIC OUTREACH

- MAR. 2016 **“Science Day” volunteer**
University of St Andrews, Fife
- SEP. 2017 **“Explorathon” volunteer**
Byre Theatre, Fife
- 2018 – NOW **Instagram account**
(@astrophysicist_rose)
St Andrews, Fife
- MAR. 2019 **“Science Day” Volunteer**
University of St Andrews, Fife
- 2019 – NOW **Website with astronomy re-**
sources
St Andrews, Fife
- OCT. 2019 **Volunteer at “Space and**
Song” event
Fife
- FEB. 2020 **Skype interview with high**
school students
SEK Dublin
- OCT. 2020 **Panel member for PhD Live**
Study Fair
FindAPhd

- MAR. 2021 **Panel member for “Insight”**
- Physics UG Podcast
PhySoc
- MAR. 2021 **STEM Ambassador**
STEM Ambassador Pro-
gramme
- APR. 2021 **Guest on “Keeping up with**
the Universe” Podcast
The Astrogeeks Comics
- MAY. 2021 **Skype interview with high**
school students
SEK Dublin
- MAY. 2021 **Guest on LASH podcast**
LASH Podcast

NON-ACADEMIC PUBLICATIONS

- JAN. 2020 **“Meet Rose Waugh”**
The Female Scientist
- MAY. 2020 **“Physics in the pandemic: A**
lack of childcare hugely re-
duces productivity”
Physics World
- JUL. 2020 **“Interview with Rose**
Waugh”
DiscoverPhDs

SKILLS

Mathematica, Fortran, IDL, LaTeX,
Microsoft Office, Adobe (Capture CC;
Illustrator Draw; Comp CC), Macintosh,
Ubuntu and PC experience

AWARDS AND FUNDING

- MAY. 2016 **Dean’s List**
University of St Andrews
- SEP. 2017 **STFC PhD Funding**
University of St Andrews
- FEB. 2019 **CAPOD External Funding**
Award - £98
CAPOD, St Andrews
- FEB. 2020 **Nominated for Equate**
Student Network “Woman of
the Year”
Equate Scotland
- AUG. 2020 **“PhD**
Student of the Year, 2020”
FindAUniveristy

OTHER RESPONSIBILITIES

- 2017 – NOW **Running of the research group website**
University of St Andrews
- 2018 – 2021 **Running of the E&D website**
University of St Andrews
- 2018 – 2021 **E&D Postgraduate Representative**
University of St Andrews
- 2018 – 19 **PhySoc Postgraduate Representative**
University of St Andrews
- 2018 – NOW **Coffee with prospective PhD students**
University of St Andrews
- 2019 – NOW **SPIE treasurer**
University of St Andrews
- FEB. 2020 **Organiser of International Day of Women in Science Event**
University of St Andrews
- 2020 – NOW **Founder of and author for PANDA Magazine**
University of St Andrews

CONFERENCE/SUMMER SCHOOLS

- AUG. 2017 **STFC Astrophysics Summer School**
Attendee
- NOV. 2017 **Cormack Meeting**
Attendee
- APR. 2018 **BCool Meeting**
Attendee
- MAR. 2019 **National Student Space Conference**
Attendee
- DEC. 2019 **Cormack Meeting**
Presented poster and flash talk
- AUG. 2020 **STFC Introductory Solar System Plasmas Summer School**
Attendee
- MAR. 2021 **Cool Stars 20.5 - virtually cool**
Presented poster

TALKS

- NOV. 2018 **AstroSoc Evening Talks: University of St Andrews**
Invited Speaker
- OCT. 2019 **School of Physics: University of St Andrews**
2nd year assessment
- FEB. 2020 **Public Lecture: Duncan Institute, Cupar**
Invited Speaker
- MAR. 2020 **PhySoc Evening Talks: University of St Andrews**
Invited Speaker

PUBLICATIONS

- FEB. 2019 **“Magnetic support of stellar slingshot prominences”**
MNRAS

ADDITIONAL TRAINING

- 2017 **Diversity in the workplace**
- 2017 **Tutoring and demonstrating training**
- 2017 **Posters and graphical abstracts: how to present your science visually**
- 2017 **Navigating peer review: challenges, responses & publishing**
- 2017 **Publish or perish: academic publishing in a nutshell**
- 2021 **Public Engagement Toolbox Session: Managing a public engagement event**

REFERENCES

Available upon request.