

Eva Gomez

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www.linkedin.com/in/eva-gomez-scientist

A passionate and dedicated science communicator with a PhD in genetics and both a deep understanding of complex scientific concepts and a strong commitment to engaging diverse audiences. Developed wide range of relevant skills through doctoral research, including skills in clear communication, public speaking, and science outreach, with a track record of effectively engaging the public through lectures, workshops, and multimedia content. Excited to continue engaging lay audiences with science and utilise excellent teaching and communication skills in the charitable sector.

RELEVANT EXPERIENCE

Demonstrator, Cardiff University October 2023 – Present

- Throughout ongoing doctoral studies in the School of Biosciences, teach undergraduate students as an hourly-paid demonstrator in lab-based practicals and tutorials
- Utilise a range of teaching, listening and communication skills to explain complex scientific procedures to students with varying learning needs and preferences

Advice and engagement volunteer, Alzheimers Society May 2023 – Present

- Work closely with individuals affected by dementia and their families, providing information and support during public outreach events and community workshops
- Facilitate interactive sessions to educate the public about the early signs of Alzheimer's disease, as well as the latest research developments and support resources available
- Help support fundraising and awareness initiatives, engaging with local communities to promote a deeper understanding of the challenges faced by those living with the condition
- Lead small group discussions and offer personalised guidance, enhancing communication and public speaking skills and demonstrating sensitivity and empathy

STEM ambassador, Cardiff University October 2021 – June 2022

- Liaised between local schools and STEM community, inspiring and engaging young people (ages 10-18) to explore careers in STEM disciplines through hands-on workshops, mentoring and educational outreach
- Developed and led interactive activities, demonstrations and educational content to spark curiosity and promote STEM literacy among underrepresented groups in the community
- Organised and hosted STEM-focused events such as guest speaker presentations, coding bootcamps and lab demonstrations

EDUCATION

PhD (Genetics), School of Biosciences, Cardiff University October 2022 – Present

- Examining the genetic factors contributing to neurodegenerative diseases, particularly Alzheimer's and Parkinson's disease, in aging populations
- Through a combination of whole-exome sequencing and longitudinal cohort studies, my research seeks to identify genetic mutations and polymorphisms that influence disease onset and progression
- Exploring the interaction between genetic risk factors and lifestyle choices, such as diet and physical activity, to better understand how environmental factors modify genetic susceptibility

- Host current Bioscience undergraduate student on work experience, mentoring student and supporting them to develop their research skills

BSc Biomedical Science, School of Biosciences, Cardiff University

October 2018– July 2022

- Achieved 2:1
- Completed Professional Training Year at Cardiff University's Dementia Research Institute, which honed research and teamwork skills. Delivered presentation on research and achieved a first class honours

RELEVANT SKILLS

COMMUNICATION: Excellent verbal communication skills through engagement activities with variety of audiences as an ambassador and also advice and engagement volunteer. Able to adapt communication style to each individual and demonstrate empathy and emotional intelligence

PUBLIC ENGAGEMENT: Confident and experienced in explaining complex scientific concepts to adults and children with a view to educating, inspiring and engaging. Delivered and led on events, small workshops, presentations and structured discussions

RESILIENCE: Developed emotional resilience in handling upsetting and sensitive conversations as an advice volunteer. Nearing end of completion of current PhD project, showing perseverance and commitment to complete project and on time

TEACHING: Gained excellent teaching skills and awareness of learning theories and inclusive learning design through my roles as a demonstrator, tutor and STEM ambassador. Able to build rapport with learners and have developed an engaging and interactive teaching style

SCIENTIFIC AND TECHNICAL LITERACY: Deep scientific knowledge and understanding of biological science, neurodegenerative diseases and related concepts, developed through extensive education including my PhD and tutoring, demonstrating and being an ambassador. Technical skills also gained in data analysis, report writing and a wide range of research and research management skills

OTHER EXPERIENCE

Online tutor, Freelance, Remote

September 2022 – May 2024

- Delivered tailored, one-to-one tutoring sessions to students of various age groups and skill levels, specialising in Biology at secondary level
- Utilised a range of online tools to facilitate tutoring, including Zoom and Microsoft Teams, and various other digital programmes such as Padlet and Mentimeter to encourage interactivity and engagement

INTERESTS

JOURNALISM AND WRITING: Throughout undergraduate course, wrote scientific newspaper articles for Gair Rhydd, part of Cardiff Student Media at Cardiff University

References available on request