

AUDREY K. BUELO

Scottish Collaboration for Public Health Research and Policy
University of Edinburgh

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EDUCATION

University of Edinburgh

PhD Candidate, in-progress

Aug. 2017 - Present

- School of Health in Social Science
- Studentship funded by Diabetes UK
 - Title: Developing and testing a theory-based and participatory intervention to increase physical activity for women with previous gestational diabetes mellitus

Master of Public Health, Merit

Aug. 2016

- Dissertation conducted with Asthma UK Centre for Applied Research.
 - Title: Professional education for supported asthma self-management: A review of grey literature
- Relevant coursework: Statistical Modelling, Health Promotion, Developing and Evaluating Complex Public Health Interventions, Population Health and Health Policy, Introduction to Qualitative Research, Social Determinants of Health (audit).
- Proficient in SPSS and R statistical packages.

University of Wisconsin-Madison

May 2015

Bachelor of Science in Biology and Psychology

Honours Thesis: Does scientific literacy affect attitudes towards animal research?

Awards: Undergraduate Research Scholar Award
Honours in the Major Program

PUBLICATIONS

Under review: Buelo, A., Kirk, A., Lindsay, R., Jepson, R., 2018. Exploring the effectiveness of physical activity interventions in women with previous gestational diabetes: A systematic review of quantitative and qualitative studies.

Accepted in principle: Daines L., McLean S., Buelo A., Lewis S., Sheikh A., Pinnock H., 2018. Clinical prediction models to support the diagnosis of asthma in primary care: a systematic review. NPJ Primary Care Respiratory Medicine.

Jepson R., Buelo A., Morrison K., 2019. Developing a Programme Theory for the University of Edinburgh Student Experience Action Plan. Report commissioned on behalf of University of Edinburgh.

McCleary, N., Andrews, A., Buelo, A., Captieux, M., Morrow, S., Wiener-Ogilvie, S., Fletcher, M., Steed, L., Taylor, S.J. and Pinnock, H., 2018. IMP2ART systematic review of education for healthcare professionals implementing supported self-management for asthma. NPJ primary care respiratory medicine, 28, pp.1-12.

Daines, L., McLean, S., Buelo, A., Lewis, S., Sheikh, A. and Pinnock, H., 2018. Clinical prediction models to support the diagnosis of asthma in primary care: a systematic review protocol. NPJ primary care respiratory medicine, 28(1), p.15.

Buelo, A., McLean, S., Julious, S., Flores-Kim, J., Bush, A., Henderson, J., Paton, J.Y., Sheikh, A., Shields, M. and Pinnock, H., 2018. At-risk children with asthma (ARC): a systematic review. Thorax, pp.813-824.

Tagiyeva, N., McLean, S., Sheikh, A., Julious, S., Thomas, M., Paton, J., Pinnock, H., Buelo, A., Goodbourn, M., Bush, A. and Cunningham, S., 2017. Protocol for a systematic review to identify and weight the indicators of risk of asthma exacerbations in children aged 5–12 years. NPJ primary care respiratory medicine, 27, p.16088.

Bennett A., Perkins C., Harty N., Niu M., Buelo A., Luck M., & Pierre P., 2014. Assessment of Foraging Devices as a Model for Decision-Making in Nonhuman Primate Environmental Enrichment. Journal of the American Association for Laboratory Animal Science, 53(5), pp.452-463.

EXPERIENCE

Project manager, Scottish Collaboration for Public Health Research and Policy Sept. 2018-Present

- Submitted a book proposal to SAGE Publications
- Facilitated the writing of an edited textbook about the Six Steps in Quality Intervention Development framework

Online Tutor Jan. 2017-Present

- Tutor for Evaluating Global Health Programmes and Introduction to Health Economics courses
- Facilitated discussion on Learn webpages, marked formative and summative assessments
- Collaborated with fellow tutor to organise course postings

Research Assistant, Asthma UK Centre for Applied Research Aug. 2016-April 2018

- Hired after dissertation to conduct a systematic review examining risk factors for asthma exacerbation in children ages 5-12
- Responsible for full-text searching of relevant articles, data extraction, analysis and write-up
- Also assisted colleagues with systematic review duplicate screening

Internship, University of Wisconsin-Madison healthTIDE Feb. 2017-June 2017

- Developed web content, application materials, and literature review for physical activity community initiative, Active Communities

Hayre Fellow for Public Outreach, Americans for Medical Progress May 2015-June 2017

- Created and taught a seminar for PhD students working in biomedical research to learned how to openly discuss their research and conduct outreach
- Taught at the University of Wisconsin-Madison in Spring 2016

- Designed and created online lectures
- Oversaw teaching assistants leading the course
- Collaborated with academic and related faculty worldwide

Undergraduate Research Assistant, UW-Madison Psychology Dept. Dec. 2012-Aug. 2015

- Honours thesis about attitudes towards animal research, in which I examined the interaction between scientific literacy and unsupportive attitudes towards animal research
- Researched interaction of prenatal influenza and genotype on brain development in macaques
- Conducted behavioural observations and enrichment activities with macaques

Undergraduate Research Assistant UW-Madison Psychology Dept. July 2012-Aug. 2013

- Assisted with an epigenetic study of a rat model of schizophrenia
- Duties included: carrying out and analysing behavioural experiments, completing biochemical tests to amplify DNA sequences, and related procedures

ACADEMIC FELLOWSHIPS, HONOURS & AWARDS

Total awarded: £116,990

Poster Presentation Winner, Diabetes UK PhD Student Networking Day (Nov. 2018).

Health in Social Science PhD Research Grant (£450), to fund conference travel and seminar attendance.

Usher Research Grant (£500), to fund conference travel.

Pragmatic Evaluation of Physical Activity and Public Health Programmes (£395), attended a three-day course focussed on evaluation skills and knowledge for real-life programmes in London (Oct. 2018).

Diabetes UK Studentship (£80,118), awarded a funded Diabetes UK PhD studentship for doctoral project (January 2017).

British Lung Foundation & British Paediatric Respiratory Society Travel Fellowship (£750), to attend the 2017 European Respiratory Society Annual Congress in Milan (Sept. 2017).

Edinburgh Global Research Scholar (approx. value £30,000), awarded by the University of Edinburgh. Merit-based scholarship providing funds for the difference between UK-fees and international fees for duration of PhD programme (2017-2020).

Published in Scottish Collaboration for Public Health Research and Policy Annual Magazine, for best public health intervention proposal in Masters level course. Created a proposal targeting reducing sedentary behaviour in local call centres – project was recently fully funded for a trial by the National Institute for Health Research (Sept. 2016).

Michael D. Hayre Fellowship for Public Outreach (\$5,000USD), awarded by American's for Medical Progress. Created a one-credit seminar for graduate students studying biomedical and psychological research to encourage them to become strong public advocates for science. Currently being disseminated to universities across the US. (May 2015- June 2017).

Undergraduate Research Scholar Award (\$1,000USD), presented by the UW-Madison Psychology Department (April 2015).

Accepted into Honours in the Major Program for Psychology, UW-Madison (May 2013).

SELECTED CONFERENCE PRESENTATIONS

Oral/poster presentation of *Exploring effective physical activity interventions for women with previous gestational diabetes* at the International Society for Physical Activity and Health in London (Oct. 2018).

Poster presentation of *Exploring effective physical activity interventions for women with previous gestational diabetes* at the World Congress on the Prevention of Diabetes and its Complications in Edinburgh (July 2018).

Oral presentation of *At-risk children with asthma (ARC): a systematic review* at the European Respiratory Society Conference (Sept. 2017).

Poster presentation of dissertation research at the Asthma UK Annual Scientific Meeting. Title: *IMPlimentation IMProved Asthma self-management as Routine Treatment (IMP2ART): A Grey Literature Review of Professional Education for Supported Self-Management Interventions* (Nov. 2016).

COMMUNITY OUTREACH

Science Outreach Volunteer July 2016 - present

- Biannual volunteer at various Science Festival, including Science Insights event, International Science Festival, and Diabetes UK events
- Led seminar about applied research for high school students interested in pursuing science careers
- Designed activities and lectures in collaboration with other applied researchers
- Volunteered at Midlothian Science Festival with Asthma UK Centre for Applied Research

Speaking of Research Committee Member Jan. 2016-June 2017

- Periodic articles published on pro-science website
- Review and provide feedback on others' publications on website

Healthy Classrooms Foundation Nov. 2014-Aug. 2015

- A public health foundation developed to integrate public health practices and sustainable behaviours. Gives grants to local schools aiming to implement healthy, sustainable behaviours in their classrooms
- Marketing department member responsible for regular postings on the foundation's social media pages such as Facebook and Twitter