

IUPHAR Pharmacology Education Project Sees Dramatic Growth During COVID-19

Clare Guilding¹, John L Szarek², Simon Maxwell³, Elena Faccenda^{3,4}

¹*School of Medicine, Newcastle University, United Kingdom;*

²*Department of Medical Education, Geisinger Commonwealth School of Medicine, Scranton PA, US;*

³*Clinical Pharmacology Unit, Edinburgh Medical School, University of Edinburgh, United Kingdom;*

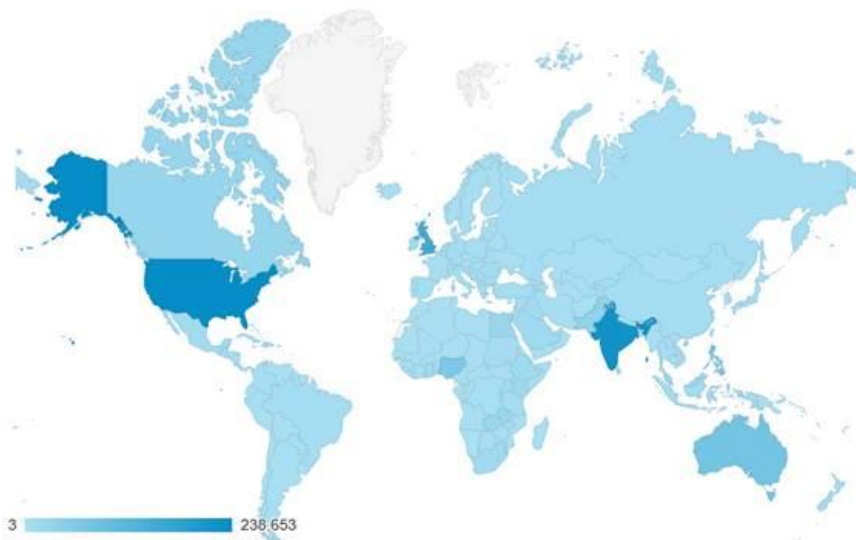
⁴*Centre for Discovery Brain Sciences, University of Edinburgh, United Kingdom*

Corresponding author

Clare Guilding

The International Union of Basic and Clinical Pharmacology (IUPHAR) *Pharmacology Education Project* (PEP) (<https://www.pharmacologyeducation.org/>) has been developed as a freely-accessible online learning resource intended to support education and training in pharmacological sciences worldwide. A major objective has been to harness the power of online digital education to deliver access to high quality educational materials to learners and educators in resource-poor nations. The project complements the IUPHAR/British Pharmacological Society (BPS) *Guide to Pharmacology* (GToPdb) (<http://www.guidetopharmacology.org/>) which delivers cutting-edge information about ligands, receptors and other targets.

The management team for The Pharmacology Education Project (PEP) includes Professor Clare Guilding from Newcastle University as Deputy Director, Professor John Szarek from Geisinger Commonwealth school of Medicine as Co-Director, Professor Simon Maxwell from the University of Edinburgh as Co-Director and Dr. Elena Faccenda from University of Edinburgh as Curator. The PEP Editorial Board is made up of 11 members representing 7 countries. Users visit PEP from across the world (see figure) and there are around 25,000 visits to PEP per month. Since the inception in 2016, we have had 1,650,000 page views. New content continues to be added. Analytics from the associated Slideshare account (<https://www.slideshare.net/PharmacologyEducationProject>), which hosts some of the resources linked to from PEP, is also attracting increased hits, with >20,000 views/year. We have over 1800 Twitter followers.



The PEP team welcomes the input and suggestions for improvement from any members of the worldwide community. Please encourage your students, and colleagues to use the site and become involved as an author and/or reviewer. We are particularly keen to hear about accessible learning resources that you know of which may be appropriate for the PEP website. We are particularly interested in submission of brief synopses of key areas of pharmacology corresponding to our modular structure and any presentations that you feel able to share with others as slide sets or

videos. It's easy to submit content – just follow the links on the PEP website. You might also like to follow us on Twitter at @PharmacologyEd.