

Gytis Dudas

Curriculum Vitae

✉ g.dudas@sms.ed.ac.uk

Postgraduate career

- 2016– **Mahan Postdoctoral Fellowship**, *Fred Hutchinson Cancer Research Center*, Seattle, WA, USA, Mentor: Trevor Bedford.

Education

- 2011–2016 **Doctor of Philosophy, "Inference of Evolutionary and Ecological Processes from Reticulate Evolution in RNA Viruses"**, *University of Edinburgh*, Edinburgh, UK.
Primary supervisor: Prof. Andrew Rambaut, secondary supervisor: Prof. Andrew Leigh-Brown
- 2007–2011 **BSc in Biological Sciences with Honours in Evolutionary Biology**, *University of Edinburgh*, Edinburgh, UK.
First Class, Ashworth Prize and Class Medal

Publications

- 2016 **Quick J, Loman NJ, Durauffour S, Simpson JT, Severi E, Cowley L ..., Dudas G, ..., Günther S, Carroll MW**, *Real-time, portable genome sequencing for Ebola surveillance*, *Nature* 530(7589): 228–232.
- 2016 **Dudas G, Rambaut A**, *MERS-CoV recombination: implications about the reservoir and potential for adaptation*, *Virus Evolution* 2(1):vev023.
- 2015 **Ladner JT, Wiley MR, Mate S, Dudas G, ... Palacios G**, *Evolution and Spread of Ebola Virus in Liberia, 2014–2015*, *Cell Host & Microbe* 18(6):659–669.
- 2015 **Park DJ, Dudas G, Wohl S, Goba A, Whitmer SLM, ..., Sabeti PC**, *Ebola Virus Epidemiology, Transmission, and Evolution during Seven Months in Sierra Leone*, *Cell* 161(7):1516–1526.
- 2015 **Carroll MW, Matthews DA, Hiscox JA, ... Dudas G, ... Günther S**, *Temporal and spatial analysis of the 2014–2015 Ebola virus outbreak in West Africa*, *Nature* 524(7563):97–101.
- 2015 **Dudas G, Obbard DJ**, *Are arthropods at the heart of virus evolution?*, *eLife* 4: e06837.
- 2015 **Dudas G, Bedford T, Lycett S, Rambaut A**, *Reassortment between Influenza B Lineages and the Emergence of a Coadapted PB1–PB2–HA Gene Complex*, *Molecular Biology and Evolution* 32(1):162–172.
- 2014 **Obbard DJ, Dudas G**, *The genetics of host–virus coevolution in invertebrates*, *Current Opinion in Virology* 8:73–78.

- 2014 **Gire SK, Goba A, Andersen KG, ... Dudas G ..., Sabeti PC**, *Genomic surveillance elucidates Ebola virus origin and transmission during the 2014 outbreak*, Science 345:1369-1372.
- 2014 **Dudas G, Rambaut A**, *Phylogenetic analysis of Guinea 2014 EBOV Ebolavirus outbreak*, PLOS Currents Outbreaks 6.
- 2013 **Bedford T, Suchard MA, Lemey P, Dudas G, Gregory V, et al.**, *Integrating influenza antigenic dynamics with molecular evolution*, Elife 3: e01914.

Professional service

Ad hoc referee PLoS Currents Outbreaks, Molecular Biology and Evolution, eLife, PeerJ.
 Social media Virus Evolution.
 editor

Workshops

University of "PoreCamp: A bootcamp to learn about operating the Oxford Nanopore MinION"
 Birmingham, (as attendee)
 2015

University of "Temporal tree calibration in BEAST" (as organizer)
 Zurich, 2015

Presentations

University of Invited talk, "Lesson about virus biology from molecular clocks"
 Zurich, 2015

SMBE 2015, Oral presentation, "Population genetics of Ebola virus in West Africa"
 Vienna

Forecasting Oral presentation, "Population genetics of Ebola virus in West Africa"
 Evolution?,
 Lisbon, 2015

FHCRC, 2015 Invited talk, "Reticulate evolution: unlikely lessons about RNA viruses and their hosts"

University of Invited talk, "Phylodynamics of co-circulating influenza virus lineages"
 Oxford, 2014

Imperial College Invited talk, "Phylodynamics of co-circulating influenza virus lineages"
 London, 2014

Epidemics 4, Oral presentation, "Inter-subtype reassortment patterns in influenza B reveal
 Amsterdam, selective maintenance of co-reassorting segment complexes"
 2013

Popgroup 46, Oral presentation, "Antagonistic interactions between co-circulating subtypes of
 Glasgow, 2012 human influenza viruses"

SMBE 2012, Poster, "Phylodynamics of influenza viruses before, during and after the 2009
 Dublin swine flu pandemic"