

Dr. Jonathan Tennant

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As an exceptional student of Earth Sciences, I achieved a 1st class integrated Masters in Geology at the University of Manchester. Here, I developed a broad knowledge in all aspects of the field, and renewed my interest in palaeontology, and went on to undertake a second Masters at Imperial College and the Natural History Museum, London, in Advanced Methods in Taxonomy and Biodiversity. I have just completed my PhD at Imperial College London, where I won the prestigious Janet Watson award for research excellence as a grad student in our department. I am also deeply interested in many aspects of scholarly communication, as demonstrated by my commitment to a range of projects including freelance science writing, community editing for PLOS Paleo, the Communications Director for ScienceOpen, and the founder of both the publishing platform paleorXiv and the Open Science MOOC.

EDUCATION

September 2012-2016 - Royal School of Mines, Imperial College London

Thesis: The Jurassic/Cretaceous boundary: a hidden mass extinction? (NERC funded)

Supervisors: Phil Mannion (ICL), Paul Upchurch (UCL), Mark Sutton (ICL)

Completion Date: August, 2016. ([link](#))

2010-2011 - Imperial College London and Natural History Museum, London

MSc in Advanced Methods in Taxonomy and Biodiversity

Result: **Merit** and Diploma of Imperial College London

2006-2010 - University of Manchester

MEarthSci Geology (Hons.)

Result: **1st class**

WORK EXPERIENCE

Founder of [paleorXiv](#), May 2017 – Present

- Management of preprint server in collaboration with the Centre for Open Science
- Lead of Steering Committee, in charge of promotion, community development, and directing strategy

Founder of the [Open Science MOOC](#), June 2017 – Present

- Management of building a platform for Open Science training for researchers
- Lead of Steering Committee, in charge of promotion, community development, and directing strategy

ScienceOpen Communications Director, 01 Jan, 2016 – 31 Dec, 2017.

- Managing all communications channels for a research publishing and networking platform
- Developing and implementing the Communications Strategy
- Direct engagement with researchers and publishers via social media and conferences
- Media engagement and brand awareness and promotion

PLOS Paleo Community Editor, 01 Sept 2015 – present

- Managing of social media presence
- Writing and editing material for PLOS blogs network
- Organising community events and conference attendance

Policy Intern, 14th May 2012 – 28th September 2012, Geological Society of London

- Writing responses to governmental consultations on behalf of the Society
- Aided with website relocation/rebuilding, including the Key Stage 4, Geoscientist and Policy sections
- Contributed to social engagement activities through Twitter, blogging, and website articles
- Contributed to organising numerous events with a wide range of stakeholders

Freelance Science Communicator, 2011 – present ([full list](#))

- Owner of Palaeontology blog [Green Tea and Velociraptors](#) (November 2011-present)
 - Part of the [European Geoscience Union's blog network](#) (2012- 2016)
- Author of 'Excavate Dinosaurs' book for children (published October 2014) ([Guardian coverage](#))
- Scientific consultant for children's books (4 at the present)
- Freelance science writing for [Discover Magazine](#), [EarthTouch News](#)
- Author for Nature's Scitable educational blog network, [Earthbound](#) (2012-2013)
- Co-owner and co-author of Palaeontology webcast series, [Palaeocast](#) (2012- 2013) (Winner of [Best Podcast](#) in 2013 Science Seeker awards)
- Have had additional works published in: The Conversation, PhysOrg, io9, LiveScience, BuzzFeed, PopSci, Nature Blogs, SciLogs, TWDKY, Digital Science, Geoscientist Magazine, LSE Impact Blog, Ars Technica, and Wiley Exchanges. Additional comments published in LA Times, BuzzFeed, Nature News, Scientific American, The [BMJ](#), and Times Higher Education.

Volunteer, October 2011-May 2012, University of Leicester

- Volunteering under the supervision of Prof. Mark Purnell within the Palaeobiology Group, looking at varying aspects of Micropalaeontology and Invertebrate Palaeontology.

Volunteer, 2010-2011, Natural History Museum, London

- Volunteering under the supervision of Dr. Paul Barrett in the vertebrate palaeontology collections. Projects included extensive cataloguing of all the type specimens in the dinosaur collection.

SCHOLARLY PUBLICATIONS ([full list](#))

1. **Tennant, J. P.** Chiarenza, A. A., and Baron, M. (in review) How has our knowledge of dinosaur diversity through geologic time changed through research history? *PeerJ* ([preprint](#))
2. **Tennant J. P.**, Dugan J. M., Graziotin D. *et al.* (2017) A multi-disciplinary perspective on emergent and future innovations in peer review [version 3; referees: 2 approved]. *F1000Research*, **6**:1151 (DOI: [10.12688/f1000research.12037.3](#))
3. Yi, H.-Y., **Tennant, J. P.**, Young, M. T., Challinds, T., Foffa, D., Hudson, J., Dugald, R. and Brusatte, S. (2017) An unusual small-bodied crocodyliform from the Middle Jurassic of Scotland, UK, and potential evidence for an early diversification of advanced neosuchians, *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, **107(1)**, 1-12. ([link](#))
4. **Tennant, J. P.**, Mannion, P. D., Upchurch, P. U. (2016) Sea level regulated tetrapod diversity dynamics through the Jurassic/Cretaceous interval, *Nature Communications*, **7**, 12737. ([link](#))
5. **Tennant, J. P.**, Mannion, P. D., Upchurch, P. U. (2016) Evolutionary relationships and systematics of Atoposauridae (Crocodylomorpha: Neosuchia): implications for the rise of Eusuchia, *Zoological Journal of the Linnean Society*, **177(4)**, 854-936. ([link](#))
6. **Tennant, J. P.**, Mannion, P. D., Upchurch, P. U. (2016) Environmental drivers of crocodyliform extinction across the Jurassic/Cretaceous transition, *Proceedings of the Royal Society B: Biological Sciences*. ([link](#)) ([IFLS](#), [phys.org](#))
7. **Tennant J. P.**, Waldner, F., Jacques, D. C., Masuzzo, P., Collister, L. B. and Hartgerink, C. H. J. (2016) The academic, economic and societal impacts of Open Access: an evidence-based review [version 3; referees: 4 approved, 1 approved with reservations]. *F1000Research*, **5**:632 (DOI: [10.12688/f1000research.8460.3](#))

8. **Tennant, J. P.** Mannion, P. D., Upchurch, P. U., Sutton, M. and Price, G. (2016) Biotic and environmental dynamics across the Jurassic/Cretaceous transition: evidence for a protracted period of faunal and ecological turnover, *Biological Reviews*, **92(2)**, 776-814. ([link](#)) ([European Geosciences Union](#))
9. **Tennant, J. P.** (2016) Fossil focus: Mesozoic crocodyliforms. *Palaeontology Online*, **6**. ([link](#))
10. Mannion, P. D., Benson, R. B. J., Carrano, M. T., **Tennant, J. P.**, Judd, J. Butler, R. J. (2015) Climate constrains the evolutionary history and biodiversity of crocodylians, *Nature Communications*, **6**, 8438, ([link](#)) ([The Mirror](#), [Forbes](#))
11. Young, M. T., **Tennant, J. P.**, Brusatte, S. (2015) The first definitive Middle Jurassic atoposaurid (Crocodylomorpha, Neosuchia), and a discussion on the genus *Theriosuchus*, *Zoological Journal of the Linnean Society*, **176(2)**, 443-462 ([link](#)) ([Forbes](#))
12. **Tennant, J. P.** and Mannion, P. D. (2014) Revision of the Late Jurassic crocodyliform *Alligatorellus*, and evidence for allopatric speciation driving high diversity in western European atoposaurids, *PeerJ*, **2**, e599. ([link](#)) ([National Geographic](#), [European Geosciences Union](#))
13. Young, M. T., Steel, L., Foffa, D., Price, T., Naish, D., and **Tennant, J. P.** (2014) Marine tethysuchian crocodyliform from the ?Aptian-Albian (Early Cretaceous) of the Isle of Wight, England. *Biological Journal of the Linnean Society*. **113(3)**, 854-871 ([link](#))
14. **Tennant, J. P.** and MacLeod, N. (2014) Snout shape in extant ruminants, *PLOS ONE*, **9(11)**, e112035 ([link](#)) ([Discover Magazine](#))
15. **Tennant, J. P.** and MacLeod, N. (2013) Geometric morphometric analysis of snout shape in extant ruminants (Ungulata, Artiodactyla), *PeerJ PrePrints*, 1:e176v1, ([PrePrint](#))
16. **Tennant, J. P. et al.** (2014) Open letter to the American Association for the Advancement of Science, [The Winnower](#), ([The Conversation](#), [New Statesman](#), [The Scientist](#), [Times Higher Education](#))
17. McKiernan, E. C. *et al.* (2014) Open letter to the Society for Neuroscience, [The Winnower](#)
18. McKiernan, E. C. and **Tennant, J. P.** (2014) AAAS misses opportunity to advance open access, [The Winnower](#)

OTHER SCIENCE COMMUNICATION AND OUTREACH ACTIVITIES ([full list](#))

- Co-developer of the Open Research Glossary ([Right to Research Coalition](#)) ([Software Carpentry](#))
- Co-organiser of [Berlin Open Science Meetup](#) ([Nature News](#))
- [ASAPbio Ambassador](#), [Center for Open Science Ambassador](#), [Mozilla Open Leadership Cohort Mentor](#), and [Guaana Advisor](#) ([blog post](#))
- Drafting Committee for the [Foundations for Open Science Strategy Development](#)
- Member of Imperial College's [Science Communication Forum](#) team (October 2012 – July 2016)
- Member of the Geological Society of London Science Committee (Feb 2015 – December 2016)
- Nominated finalist in 2013 Science Seeker awards for blogging activities ([link](#))
- TV appearances for BBC Parliament (Aug, 2012; Feb, 2016), Sky News (Jan, 2015) and London Live (Jan, 2015)

IMPORTANT CONTRIBUTED ARTICLES

- The Dark Side of Peer Review – [Editorial Office News](#)
- Peer Review Report template – [Authorea](#)
- We have the technology to save peer review – now it is up to our communities to implement it – [LSE Impact Blog](#) (in [Portuguese](#) and in [Spanish](#))
- How to stay on top of the published research literature – [LSE Impact Blog](#)
- Should we cite pre-prints? – [Royal Society of Biology editorial](#), [Life Sciences Network](#)
- Open sesame! The risks and rewards of Open Data for researchers – [Digital Science](#)
- The rise of Open Research Data – [Wiley Exchanges](#)
- Who isn't profiting off the backs of researchers? – [Discover Magazine](#)

- My Open Science Story – [The Winnower](#)
- Open Letter to the American Association for the Advancement of Science – [The Winnower](#)
- AAAS misses opportunity to advance Open Access – [The Winnower](#)
- Open Access advocates slam Science Advances – [The Scientist](#)
- Referring Elsevier/RELX to the Competition and Markets Authority – [Martin Eve](#)
- Breaking the traditional mould of peer review: Why we need a more transparent process of research evaluation – [LSE Impact Blog](#)
- What are the barriers to Post-Publication Peer Review? – [LSE Impact Blog](#) (also covered on the [OpenAIRE blog](#))
- Peer review quality is independent of Open Access – [Science Communication Breakdown](#)
- Academics are resilient to changes in peer review – [Editage Insights](#)

INTERVIEWS

- Challenging the Status Quo – [Life Sciences Network](#)
- Perspective on Open Science – [Year of Open](#)
- The cost of knowledge – [Science Disrupt](#)
- You should always follow your heart in research – [Editage Insights](#)
- The future of academic publishing and advice for younger researchers – [Editage Insights](#)
- Featured on Peer Review Academy – [Publons](#)
- Introducing: Jon Tennant – [Scientific American](#)
- Imperial alumnus discusses rise and fall of ancient dinosaur-eating crocodiles – [Imperial College News](#)
- Case study: That social media thang – [Nature SpotOn](#)

TALKS AND EVENTS ([full list](#))

- FOSTER [book sprint](#) participant, Hannover, Germany (February, 2018)
- Invited speaker to the [TU Delft Open Science Symposium](#), Delft, Netherlands (January, 2018)
- Invited to the [BITSS Annual Meeting](#) in Berkeley, California, USA (December, 2017)
- Co-organised [OpenCon London](#) with Digital Science and the Know Center (November, 2017) ([video](#))
- Chair for panel discussion on the link between science communication and research impact at [SpotOn London](#) (November, 2017) ([video](#), [resources](#))
- The current status of Open Science, [Blockchain hack and share weekend](#), Berlin, Germany (September, 2017)
- OpenAIRE webinar – Open Science Workflows and Tools (September, 2017) ([slides and recording](#))
- Preprints, peer review, and publishing, Digital Science podcast (September, 2017) ([blog post and recording](#))
- Open science as a junior researcher, keynote at the Knowledge Exchange Workshop, Paris, France (September 2017) ([slides](#))
- The past, present, and future of peer review, [Keynote talk at the University of Birmingham](#), UK (September, 2017) ([slides](#), [video](#))
- Plenary session, poster, and workshop at [Open Science Fair](#), Athens, Greece (September, 2017) ([slides](#))
- Open Access workshop, [Max Planck Early Career Research and Alumni Symposium](#) (September, 2017)
- Managing your scholarly reputation, [Altmetric webinar](#) (September, 2017) ([blog post and recording](#))
- Guest lecturer at Open Science and Scholarship: [Changing your Research Workflow](#), Utrecht University, Netherlands (August, 2017)
 - [Preprints: Accelerating Science](#)
 - [Open Science Advocacy](#)
 - [Defining your Audience](#)
- Talk with Lisa Matthias on [the art of getting cited](#), Chiang Mai University, Thailand (January, 2017)

- Co-organised [OpenCon Berlin](#) with OpenAIRE and Digital Science, Germany (November, 2016)
- Keynote at [ISMTE Europe](#) on [Open Communication in scholarly publishing](#), Brussels, Belgium (November 2016)
- Chaired panel discussion on the future of peer review at [SpotOn London](#), UK (November 2016)
- Talk in [Ljubljana, Slovenia](#), on [Open Science as an early career researcher](#) (November, 2016)
- OpenCon, Washington DC (November, 2014), Brussels (November, 2015), and Washington DC (November, 2016)
 - Chaired panel on student initiatives in Open, and co-led workshop on solutions to Open problems (2015)
 - Workshop on Open Science for early career researchers ([successful crowdfunding campaign](#)) (2016)
- Invited speaker at [ZALF PhD day](#) for a talk on [Open Science](#), Munchenberg, Germany (July, 2016)
- Workshops on Open Access for medical students at the [UAEM conference](#) in Berlin, Germany (April, 2016)
- Invited talk on [Open Access as a PhD student](#) at the Max Planck Institute, Magdeburg, Germany (February, 2016)
- Invited panelist and speaker, [Altmetricon](#), London, UK (September, 2015)
- Invited speaker, [Nature Careers Expo](#) (September, 2015)
- Invited panelist for the Festival of Science (Theme: Science and Criticism) (April, 2015)
- Nature Live talks (x2) at the Natural History Museum, London (January, 2015)
- Invited speaker at OpenCon London satellite on [Open Data](#), UK (November, 2014)
- SciFoo camp, invited attendee (June, 2014) (invited but did not attend 2015)
- Invited speaker at the Cambridge Science Festival on [The Importance of Palaeontology](#) (June, 2014)
- Workshop at the British Science Association's Science Communication Conference on the [art of popular science writing](#) (May, 2014)
- Radio appearance for [The Naked Scientists](#) to discuss mass extinctions (April, 2014)
- Co-ordinated [panel session](#) in Outreach section for SpotOn London (Nov, 2013)
- Invited speaker for INNGE on how [blogging can raise your academic profile](#) (August, 2013)
- Invited speaker for 'Oxford Biotech Roundtable' to discuss [social media for academics](#) (June, 2013)
- Representative of the Geological Society at the [Voice of the Future](#) event in UK Parliament (March, 2013; March, 2015)
- Panelist on [social media for academics](#) at European Geosciences Union AGM, Vienna (March, 2013)
- Talks for Imperial College Library workshop on using [social media and blogging](#) in science (Jan and May, 2013, April and Dec, 2014)
 - All slides on [Prezi](#) available for re-use
- Co-ordinated [panel session and workshop](#) in Science Policy section for SpotOn London (October, 2012)

ACADEMIC MEMBERSHIPS

- Elected Fellow of the Geological Society of London (2010-2016)
- Member of the Palaeontological Association, Palaeontological Society, the Society of Vertebrate Palaeontology, Society of Systematic Biologists, and the Willi Hennig Society (2010-2012)
- Member of Campaign for Science and Engineering and Science is Vital (2010-2012)

GRANTS AWARDED

- £150 towards 3rd year undergraduate field mapping in Spain
- NERC scholarship (ca. £7500) towards my second Master's degree
- £1344 from the Imperial College Biology Department towards Masters tuition fees
- £1500 from the Palaeontological Society for developing the *Palaeocast* project

- £2000 from the Palaeontological Association for developing the *Palaeocast* project
- Full NERC studentship for PhD at Imperial College (2012-2015)
- \$600 Jackson School of Geoscience Travel Grant for SVP 2013
- £200 award from Palaeontological Association for Society of Vertebrate Palaeontology attendance
- £750 Palaeontological Association travel grant for IPC4 (August, 2014)
- \$500 early career travel award from [PLOS](#) towards SVP attendance (October, 2015)

ACADEMIC CONFERENCES ATTENDED

- Progressive Palaeontology, 2010 – 2016 (talks and poster presentations)
- Young Systematists Forum, 2010 – 2012, Natural History Museum, London (poster presentations)
- Co-ordinated [panel session and workshop](#) in Science Policy section for SpotOn London (Oct, 2012)
- Co-ordinated [panel session](#) in Outreach section for SpotOn London (Nov, 2013)
- Society of Vertebrate Palaeontology, Los Angeles (Oct-Nov, 2013, Colbert Session); Berlin (Oct-Nov, 2014, Colbert Session); Dallas (Oct, 2015); Utah (October, 2016, Romer Prize session)
- International Palaeontology Congress 4, Mendoza, Argentina, (Sept-Oct, 2014)

PUBLISHED ABSTRACTS

1. **Tennant, J. P.**, Mannion, P. D., Upchurch, P. (2016) A hidden extinction in tetrapods at the Jurassic/Cretaceous boundary?, *Progressive Palaeontology Abstracts Booklet*, 26A ([link](#)) ([slides](#))
2. **Tennant, J. P.** (2015) Environmental drivers of crocodyliform extinction and diversity, *Progressive Palaeontology Abstract Booklet*, 22A ([link](#))
3. **Tennant, J. P.** and Mannion, P. D. (2014) Evolutionary relationships of atoposaurid crocodylomorphs, and evidence for allopatric speciation driving their high diversity in the Late Jurassic of western Europe, *Society of Vertebrate Palaeontology Abstracts Booklet*, 239A ([link](#)) ([published online](#))
4. Mannion, P., Judd, J., Butler, R., Benson, R., Carrano, M., **Tennant, J. P.**, Upchurch, P. and Pol, D. (2014) Climate drives spatiotemporal patterns in crocodylomorph diversity, *Society of Vertebrate Paleontology Abstract Booklet*, 177A ([link](#))
5. **Tennant, J. P.** and Mannion, P. D. (2014) Evolutionary relationships of atoposaurid crocodylomorphs, and evidence for allopatric speciation driving their high diversity in the Late Jurassic of western Europe, *International Palaeontology Congress Abstracts Booklet*, 820A ([link](#))
6. **Tennant, J. P.** and MacLeod, N. (2013) Comparative ecomorphology of ornithopod and ruminant snouts – a geometric morphometric approach, *Society of Vertebrate Paleontology*, 224A ([link](#)) ([poster](#))
7. **Tennant, J. P.** and MacLeod, N. (2013) Getting geometric with ruminant rostra, *Progressive Palaeontology Abstract Booklet*, 18A ([link](#)) ([presentation](#))
8. **Tennant, J. P.** and MacLeod, N. (2011) A Geometric Morphometric Analysis of Ruminant (Ungulata: Artiodactyla) and Ornithopod (Dinosauria: Ornithischia) Snouts: Comparative and Functional Ecomorphology, *Young Systematists Forum Abstract Booklet*, 21A ([link](#)) ([poster](#))

ADDITIONAL SKILLS AND EXPERIENCE

- Graduate Teaching Assistant at the School of Earth Science and Engineering for first and second year modules (October 2012-present), and Dorset Field course (March 2013)
- Special instruction in PAUP, PAST, and R in the context of cladistic and macroevolutionary analysis, and Mathematica for geometric morphometrics
- Excellent knowledge of most areas of IT, with the ability to use all Microsoft Office programs, Adobe Illustrator, Petrel, ImageTool, ImageJ, Image-Pro Plus, PCA, the tps software series, and the capability to adapt to new software with ease
- Have been instructed in most current analytical equipment relevant to Earth Sciences, with special practical instruction in the use of the Scanning Electron Microscope and Camera Lucida

- Student representative (2008-2010), University of Manchester
- Student mentor for younger undergraduates (2008-2010)
- [Community Specialist for F1000](#); Member of the London ScienceGrrl Network; [ImpactStory Advisor \(Advisor of the Month, June 2014\)](#), Figshare advisor
- Frequent guest contributor to the [United Kingdom Amateur Fossil Hunting](#) site and Trilobite Times
- Contributor to [Palaeocritti](#) website (2011-2012)

REFEREES

Dr. Stephanie Dawson

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Dr. Philip Mannion

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Professor of Palaeobiology, PhD supervisor

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