**DAVID VANIER**

**SBS Building 516N, Stony Brook University, Stony Brook, NY**

**david.vanier@stonybrook.edu**

**EDUCATION AND RESEARCH**

**2016- Present** **Stony Brook University,** Stony Brook, NY

Interdepartmental Doctoral Program in Anthropological Sciences

Comparative evolution of the entorhinal cortex (PI: Jeroen Smaers)

**2013- 2014** **University of Chicago,** Chicago, IL

Research Technician in the Institute of Mind and Biology

Mapped novel genes in zebra finch brains and correlated genetic expressions with behavioral responses to mating songs (PI: Sarah London)

**2007- 2011** **Pennsylvania State University**, University Park, PA

Schreyer Honors College   
B.S. Biological Anthropology with Distinction   
Honors Thesis: The Sociolinguistic Ostracism of Japanese Brazilians

**PUBLICATIONS**

**Vanier, D.R.**, Sherwood, C.C., & Smaers, J.B. (2019). Distinct patterns of hippocampal and neocortical evolution in Primates. *Brain Behavior and Evolution* (in press).

Smaers, J.B. & **Vanier, D.R.** (2019). Brain size expansion in primates and humans is explained by a

selective modular expansion of the cortico-cerebellar system. *Cortex* (in press).

Lin, L.C., **Vanier, D.R**., London, S.E. (2014) Social information embedded in vocalizations induces neurogenomic and behavioral responses. *PLoS ONE* 9(11): e112905.

**CONFERENCE PRESENTATIONS**

**Vanier, D.R.**, Sherwood, C.C., and Smaers, J. B. Macroevoluion of the hippocampal formation in primates. Presented at Spring Hippocampal Research Conference in June, 2019 (podium).

**Vanier, D.R.**, Sherwood, C.C., and Smaers, J. B. Diversification of the neural substrate of mental maps in primates. Presented at Annual Meeting of the Royal Institute of Navigation: Animal Cognition conference in April, 2019 (podium).

**Vanier D.R.**, Schilder, B.M., Sherwood, C.C., and Smaers, J. B. Diversification of the Neural Substrate of Navigation in Anthropoids and Strepsirrhines. Presented at Annual Meeting of American Association of Physical Anthropologists in April, 2018 (poster).

**Vanier, D.R.**, Schilder B.M., Sherwood, C.C., and Smaers, J. B. Comparative neuroanatomy of navigational maps in primates. Presented at Annual Meeting of JB Johnston Society for Evolutionary Neuroscience in November, 2017 (podium).

**HONORS AND AWARDS**

**Fall 19- Spring 20 Fulbright Research Award to Germany**

German-American Fulbright Commission

**Spring 19 IDPAS Conference Travel Award**

Awarded by Stony Brook University

$300

**Spring 19 IDPAS Student Research Award**

Awarded by Stony Brook University

$250

**Summer 18 Turner Summer Research Grant**

Awarded by Stony Brook University

$4500

**Summer 18 GSEU Professional Development Award**

Awarded by Graduate Student Employment Union

$500

**Fall 18- Spring 21 National Science Foundation Graduate Research Fellowship**

“Diversification of the Neural Substrate of Navigation in Primates”

Awarded by National Science Foundation

$102,000 over 5 years

**Spring 18 Turner Conference Travel Award**

**Awarded by Stony Brook University**

$1,200

**Spring 17 Turner Conference Travel Award**

Awarded by Stony Brook University

$1,200

**Fall 16- Spring 21 Turner Fellowship**

Awarded by Stony Brook University

$50,000 over 5 years

**TEACHING EXPERIENCE**

**Spring 17- Spring 18 Lab instructor for ANT 300 (Human Anatomy)**

Stony Brook University, NY

**Fall 16 Teaching Assistant for ANT 104 (Introduction to Archaeology)**

Stony Brook University, NY

**2014- 2015 Japanese tutor**

Independent

**2008- 2014 English-as-a-second-language (ESL) Instructor**

Independent

**PROFESSIONAL EXPERIENCE**

**2015-2016**  **Bilingual Project Associate**

Japan External Trade Organization, Annapolis, MD

**2014- 2015**  **Japanese Language Ads Quality Rater**

Google Japan Ads Quality Evaluation, Pittsburgh, PA

**2011- 2013**  **English Teacher**

Japan Exchange and Teaching Program (JET), Kochi, Japan

**SKILLS**

**Analytical:** Phylogenetic comparative methods (e.g. pANCOVA, evolutionary rate estimation, evolutionary modeling) with R

**Bioinformatics:** Blast, Clustalw, Cobalt, Conserved Domain Search, ORF Finder, Phyre

**Histological:** In situ hydridization, microtomes, immunohistochemical stains, microscopy,brain mapping and delineation in primates and birds

**Imaging**: Huygens Deconvolution, ImageJ/Fiji, Slidebook Pro, Illustrator/Photoshop

**Language**: Bilingual proficiency in Japanese