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<th>NIMBioS Postdoc Name &amp; Contact</th>
<th>Research Interest</th>
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| **Dr. Charlotte Chang**  
Ph.D. Ecology & Evolutionary Biology, Princeton Univ.  
chchang@nimbios.org | **Project Title:** *Probabilistic and spatially-explicit socio-ecological models of hunting.* Charlotte Chang is exploring the impact of diverse socio-cultural hunting practices as well as the response of hunting pressure to the spatial and temporal distribution of different harvested goods. |
| **Dr. Sarah Flanagan**  
Ph.D. Biology, Texas A&M Univ.  
sflanagan@nimbios.org | **Project Title:** *A predictive approach to population genomics using existing sequence data and a G matrix simulation model.* Sarah Flanagan is developing different approaches to generate better a priori predictions for next-generation sequencing population genetics studies. |
| **Dr. Nick Panchy**  
Ph.D. Genetics, Michigan State Univ.  
panchy@nimbios.org | **Project Title:** *Regulatory and functional characterization of intermediate cell-types in epithelial-to-mesenchymal transition by modeling gene regulatory networks.* Nick Panchy (Ph.D. Genetics, Michigan State Univ.) is exploring the role and regulation of intermediate epithelial-to-mesenchymal transition (EMT) cell-types by modeling gene regulatory networks controlling expression across EMT. |
| **Dr. Nourridine Siewe**  
Ph.D. Mathematics, Howard Univ.  
nourridine@nimbios.org | **Project Title:** *Immune response and drug resistance in granuloma-driven vector-borne diseases: Cases of visceral leishmaniasis and malaria.* Nourridine Siewe is developing a combined between-host and within-host mathematical model to describe the dynamics of visceral leishmaniasis and malaria. |
| **Dr. Lauren Smith-Ramesh**  
Ph.D. Biology, Indiana Univ.  
lsmithramesh@nimbios.org | **Project Title:** *Invasive plants in a food-web context: Indirect effects on native communities and ecosystems.* Lauren Smith-Ramesh is investigating invasive plants in a food-web context and the direct and indirect effects to native communities and ecosystems. |
| **Dr. Sergei Tarasov**  
Ph.D. Mathematics and Natural Sciences, Univ. of Oslo  
tarasov@nimbios.org | **Project Title:** *Modeling and exploring evolution of anatomy ontologies using innovative stochastic process and two focal groups of insects.* Sergei Tarasov is developing novel ontology-based models for phenotypic evolution and tools for their statistical inference, including creating a software package in R, and is exploring the proposed model using two focal lineages of insects—dung beetles and wasps. |