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NIMBioS Postdoc Name & Contact	Research Interest
 <p>Dr. Charlotte Chang Ph.D. Ecology & Evolutionary Biology, Princeton Univ. chchang@nimbios.org</p>	<p>Project Title: <i>Probabilistic and spatially-explicit socio-ecological models of hunting.</i> 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.</p>
 <p>Dr. Sarah Flanagan Ph.D. Biology, Texas A&M Univ. sflanagan@nimbios.org</p>	<p>Project Title: <i>A predictive approach to population genomics using existing sequence data and a G matrix simulation model.</i> Sarah Flanagan is developing different approaches to generate better a priori predictions for next-generation sequencing population genetics studies.</p>
 <p>Dr. Nick Panchy Ph.D. Genetics, Michigan State Univ. panchy@nimbios.org</p>	<p>Project Title: <i>Regulatory and functional characterization of intermediate cell-types in epithelial-to-mesenchymal transition by modeling gene regulatory networks.</i> 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.</p>
 <p>Dr. Nourridine Siewe Ph.D. Mathematics, Howard Univ. nourridine@nimbios.org</p>	<p>Project Title: <i>Immune response and drug resistance in granuloma-driven vector-borne diseases: Cases of visceral leishmaniasis and malaria.</i> Nourridine Siewe is developing a combined between-host and within-host mathematical model to describe the dynamics of visceral leishmaniasis and malaria.</p>
 <p>Dr. Lauren Smith-Ramesh Ph.D. Biology, Indiana Univ. lsmithramesh@nimbios.org</p>	<p>Project Title: <i>Invasive plants in a food-web context: Indirect effects on native communities and ecosystems.</i> Lauren Smith-Ramesh is investigating invasive plants in a food-web context and the direct and indirect effects to native communities and ecosystems.</p>
 <p>Dr. Sergei Tarasov Ph.D. Mathematics and Natural Sciences, Univ. of Oslo tarasov@nimbios.org</p>	<p>Project Title: <i>Modeling and exploring evolution of anatomy ontologies using innovative stochastic process and two focal groups of insects.</i> 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.</p>