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NIMBioS Postdoc Name & Contact	Research Interest
 <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. Oyita Udiani Ph.D. Applied Mathematics, Arizona State Univ. oyita.udiana@nimbios.org</p>	<p>Project Title: <i>Learning in models of animal behavior: A novel game-theoretical approach.</i> Oyita Udiani is using colony founding behavior in paper wasps (<i>Polistes</i> spp.) to develop a framework for the study of learning in games with stochastic payoffs.</p>
 <p>Dr. Quentin Johnson Ph.D. Life Science/Genome Science & Technology, Univ. of Tennessee quentin.johnson@nimbios.org</p>	<p>Project Title: <i>A high-throughput mathematical and computational model for mapping allosteric mechanisms by correlation analysis of residue-residue contacts.</i> Quentin Johnson is developing a model to identify allostery and the mechanism by which the allosteric signal is initiated and propagated in the peroxisome proliferator-activated receptor and retinoid X receptor complex, which are proteins involved in preventing growth of cancer cells.</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 (Mathematics and Natural Sciences, Univ. of Oslo, 2016) 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>
 <p>Dr. Robin Taylor Ph.D. Educational Psychology, Educational Research Methods and Analysis, Auburn University rtaylor@nimbios.org</p>	<p>Project Title: <i>Development and validation of the Quantitative Biology Concept Inventory.</i> Robin Taylor is a Postdoctoral Fellow in Science Education Research and Evaluation for NIMBioS Evaluation Services who is assisting in the development and validation of a Quantitative Biology Concept Inventory.</p>