

Oxford Brookes University

ILESIA Programme: Supervisors and Projects

Andrew Jones, Associate Professor: Discovering new biopesticides from spider venom using AlphaFold3

Dr Barbara Jennings: Using Drosophila to Uncover the Functions of Genetic Variants Linked to Brain and Language Development

Dr Irina Chelysheva: Decoding the Human Gut Immune Landscape Through Single-Cell Profiling

Jack Sunter, Associate Professor: Mechanisms of Leishmania adhesion to insect tissues

Dr Korneel Hens: Starvation sensing at the blood-brain barrier: investigating the role of the conserved adhesion molecule Amalgam in nutritional homeostasis

Dr Maike Kittelmann: How sexual dimorphism affects insect senses.

Dr Maria Santos Nunes: Gene Regulatory Networks Driving Male-Female Genital Co-evolution

Dr Patrick Duckney: Using Light to Harness Mitochondrial Metabolism in Plants

Professor Ryan Pink: Using contrast-variation neutron scattering to investigate tissues specific structural differences in extracellular vesicles

Dr Saad Arif: Reconstructing recent demographic history and effective population size in threatened insect populations

Dr Sebastian Kittelmann: Unravelling Context-Specific Hormonal Control of Gene Expression in Drosophila

Professor Verena Kriechbaumer: Engineering plants for methane removal

Dr Victor M. Bolanos-Garcia: Dissecting the role of the dual protein kinase Mps1 on plant root development

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