Midsummer Phylogenomics 2025

Date: June 16, 2025
Venue: AgriForwards Room (SCI 2.15), UEA
Time: 13:00–16:00
Organisers: Katharina T. Huber and Darren Overman

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13:00 – 13:02 Welcome

13:02 – 13:20 Jo Dicks
How phylogenomics can help to resolve species identity within Culture Collections

13:20 – 13:35 Laura Tingley
Improved computational methods for bacterial strain identification from genomic sequence datasets

13:35 – 13:50 Daniel Wright
TreeSpotter: An algorithm and software tool for deciding tree-basedness in phylogenetic networks

13:50 – 14:05 Alex Uttin
Determination of gene inheritance through quartet scoring methods

14:05 – 14:40 Coffee Break

14:40 – 14:55 Sam Martin
Algebraic Invariants: A Novel Approach for Inferring Small Phylogenetic Networks from Leaf-Pattern Data

14:55 – 15:10 Alex Dickinson
Investigation of linezolid resistance mechanisms within Enterococcal and Staphylococcal genomes

15:10 – 15:25 Derui Song
From Metagenomes to Phylogenies: Exploring Arctic NCLDV Diversity

15:25 – 15:40 Jasmyn Gooding
Forward-in-Time Simulation of Gene Drift and Tree Sequence Dynamics

15:40 – 15:55 Darren Overman
Arboreal Networks Through the Lens of Augmented Quartets

16:00 Student Union Pub