



Centre de Recherche Public
Gabriel Lippmann



Fonds National de la
Recherche Luxembourg

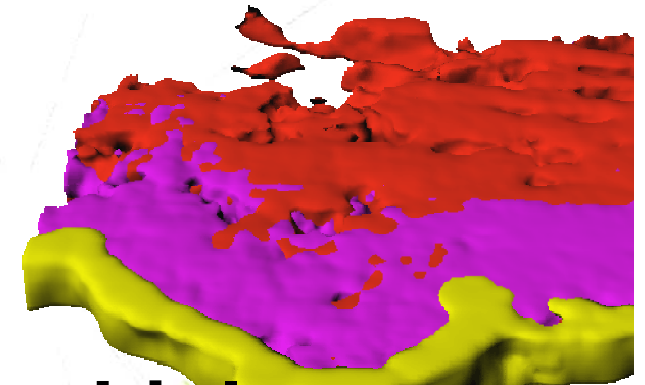
Methodologies for Eco-Systems Biology

Paul Wilmes

wilmes@lippmann.lu

The Ocean of Tomorrow Info
Day

Brussels 9 September 2010



www.ecosystemsbiology.org



We are interested in...

- **Joining a consortium** planning on submitting a proposal under the call OCEAN.2011-2: **Marine Microbial Diversity** employing **state-of-the-art molecular approaches** (metagenomics, metatranscriptomics, metaproteomics, metametabolomics, etc.)
 - **Applying Eco-Systems Biology** methodologies to **marine microbial communities** to gain new insights into marine **ecosystems functioning** and its **biotechnological potential**
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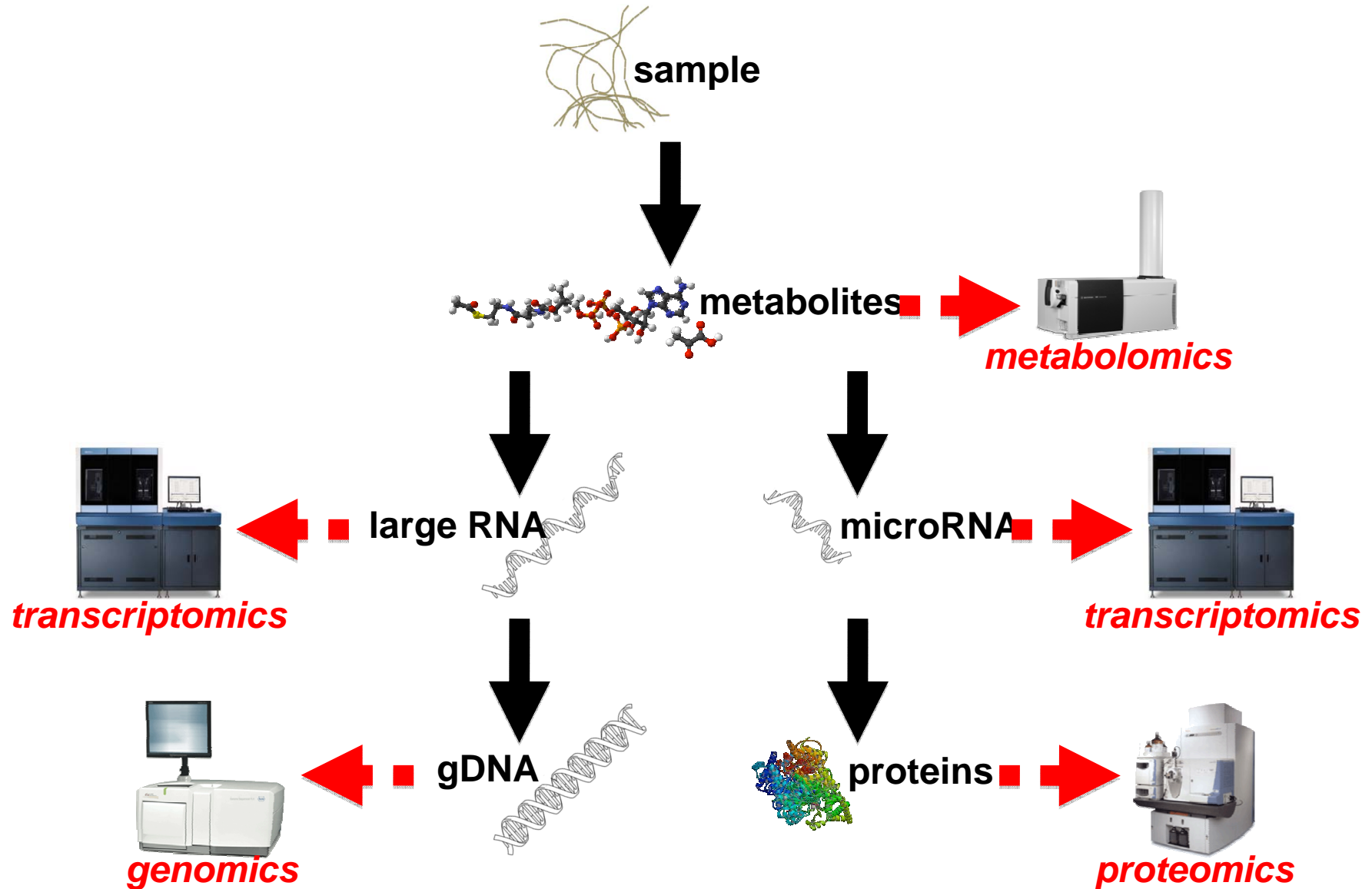


What we bring to the table...

- **Robust protocol for the concomitant extraction of metabolites, proteins, RNA and DNA from the same mixed microbial community sample**
 - **Expertise in the analysis of purified biomolecular fractions using specialised instrumentation**
 - **Expertise in bioinformatic data integration and analysis to obtain systems-level overviews of microbial community structure and function**
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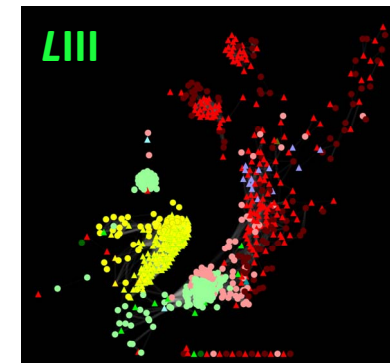
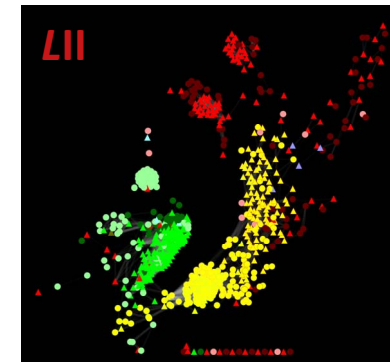
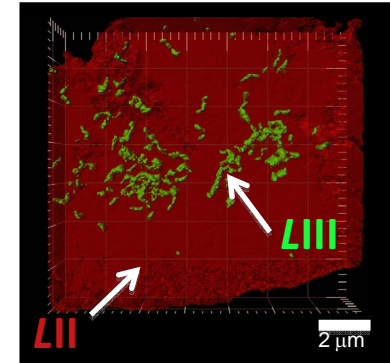
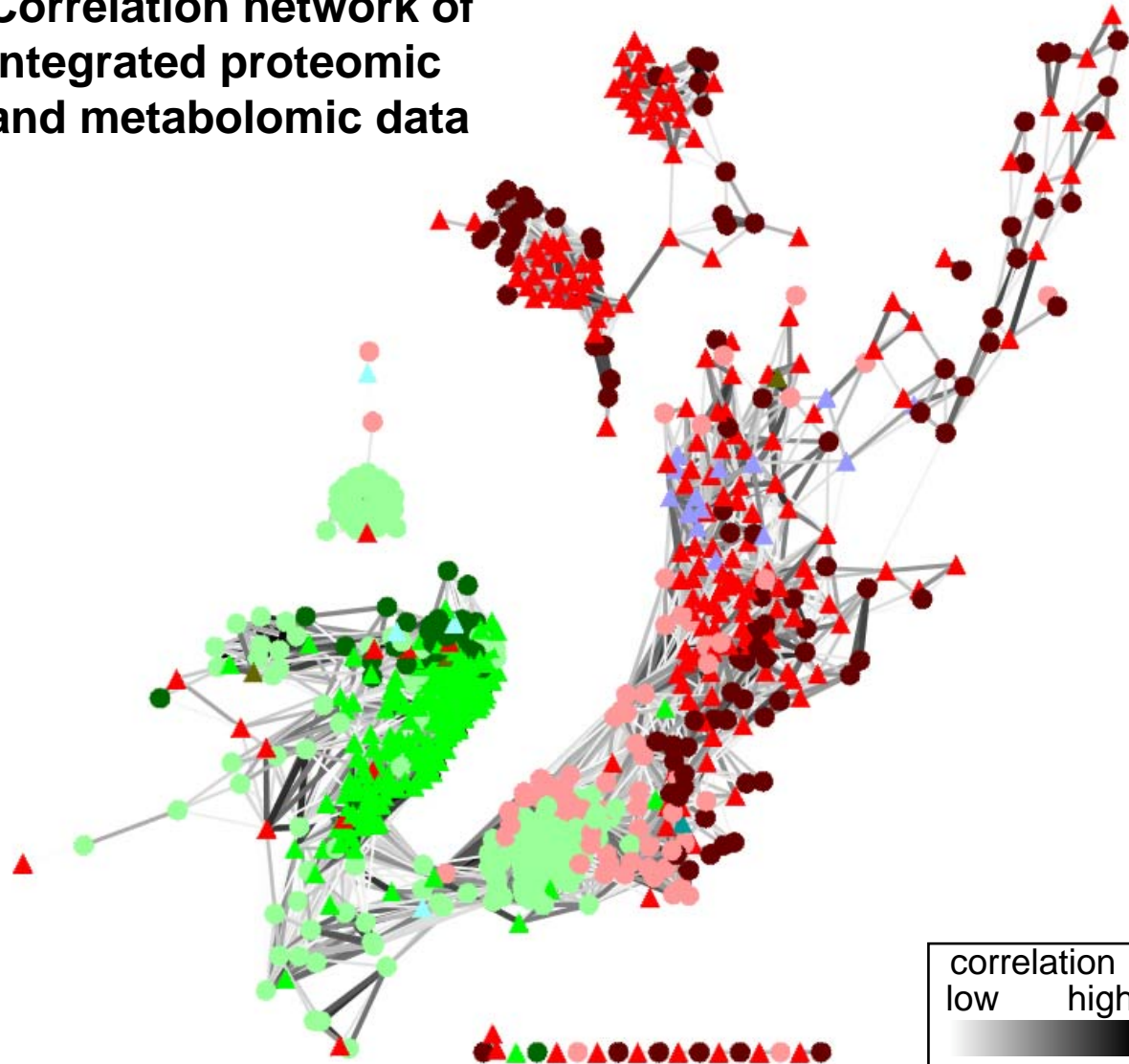
Our approach in a nutshell





Expertise in molecular data integration and analysis

Correlation network of integrated proteomic and metabolomic data





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POSTDOCS WANTED!

More info

www.lippmann.lu

E-mail

wilmes@lippmann.lu

Thank you very much for your attention!