

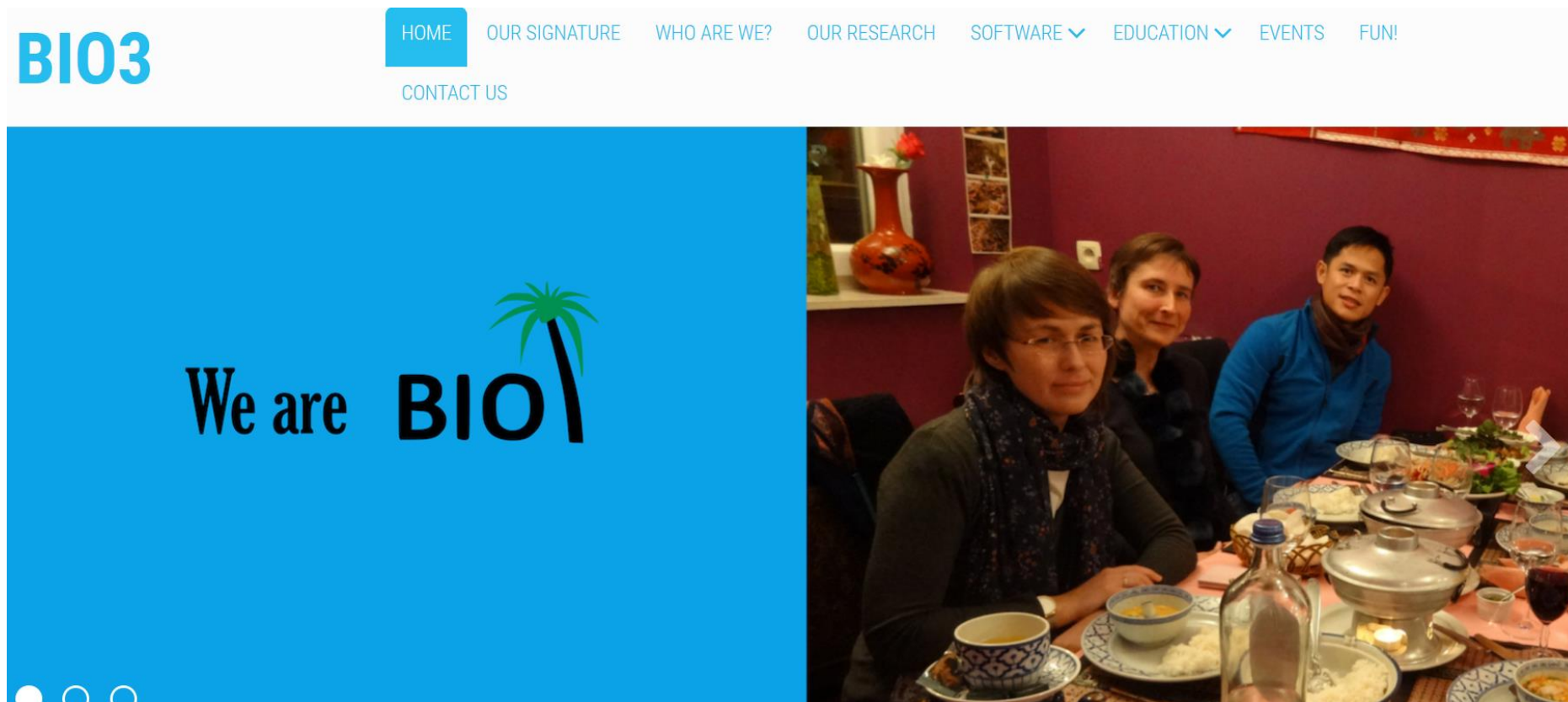
Systems Medicine

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Who am I?



<http://bio3.giga.ulg.ac.be/>

Where can you find me?



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Subject title: “Bioinformatics applications”

Course themes

I: Genome-wide association studies

- Components of GWAS
- Case studies via assignment (see next)

II: Systems medicine

- “Interactions” → public health / precision medicine (patient-to-patient heterogeneity)
- Discussions following assignment envisages augmented understanding of:
 - Translational aspects of GWAS (how? successful?);
 - Individual heterogeneity via “interaction” networks (role of GWAS in such networks?);
 - Informativity versus redundancy or noise (subnetwork discovery?);
 - Multi-view (integration?);
 - GWAS for stratified medicine (what about the environment or microbiome?)

Classes & evaluation

http://bio3.giga.ulg.ac.be/archana_bhardwaj/?Courses

Supporting docs to each class

- Serving as “course book”: course notes, and
- selected papers
- Homework assignment
- “Critical Reading” aid