



Introduction Experimental Strategies **SYNTHETIC BIOLOGY** **DNA Fab and Open Hardware for SynBio** Theoretical-practical course

Directed to postgraduates and pregrade students in thesis from different careers, please apply by mail to gkausel@gmail.com until 29th december 2017

**08. – 12.1.2018, Inst.Bioqu.Microbiol., Austral-omics, VALDIVIA
UNIVERSIDAD AUSTRAL de CHILE**

Professors: Dr. Fernan Federici, UC
Dr. Tim Rudge, UC
Dr.c Mihails Delmans, Uni.Cambridge UK
Dr. Daniel Lühr, Fac. C. Ing. UACH
Dr. Gudrun Kausel, Fac. Ciencias, UACH

Brief theoretical introductions, technical talks, tutorials: Arduino Raspberry Pi, openSCAD, Python and analyses, DNA Fab, practical PCR, cloning, open hardware microscopy with fluorescent
<https://www.hackster.io/delmans/ucube-b5e881>, 3D-printing
→ interactions biology – engineering – science, education
Please prepare
TEAMWORK PROPOSALS for BIOENGINEERING PROJECTs
for discussion in the course

Picture credit:
Dr. F. Federici

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DID, Fac. Ciencias, Austral-omics,
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