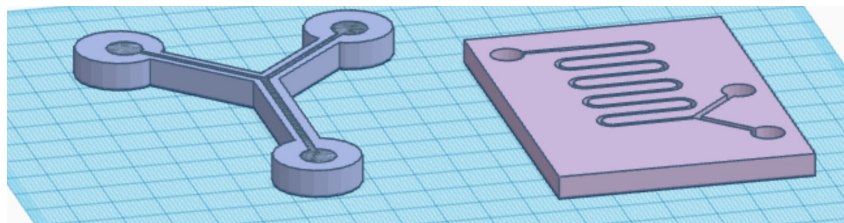


Gruppo di ricerca Prof. Roberto Gotti
Dott.ssa Lucrezia Floris
Dott. Muhammad Waqar



Progetti:

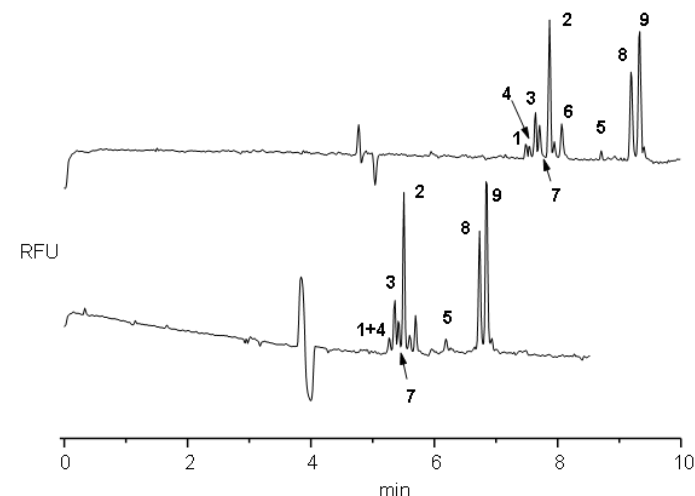
- 1) Quality control of Monoclonal Antibodies by electrokinetic techniques (cIEF)
- 2) Development of paper-based microfluidic devices for electrochemical and spectroscopic detection of bioactive small molecules

SEDE: Via Belmeloro 6

Impegno quotidiano; interesse per l'analisi strumentale (anche hardware, es. stampa 3D etc..)

Posti disponibili/anno = max 2

Info: roberto.gotti@unibo.it



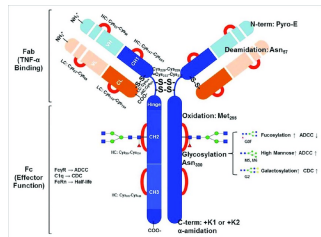
1. Quality control of Monoclonal Antibodies (mAbs) by electrokinetic techniques (cIEF)

Project funded by MUR: UniBo-UniPV-UniFi + Istituto Superiore di Sanità (Roma)

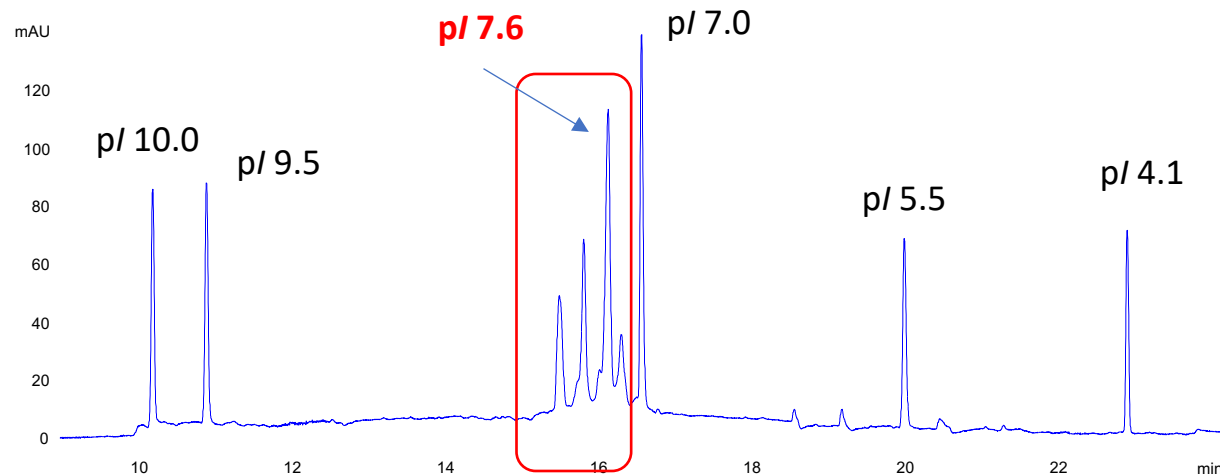
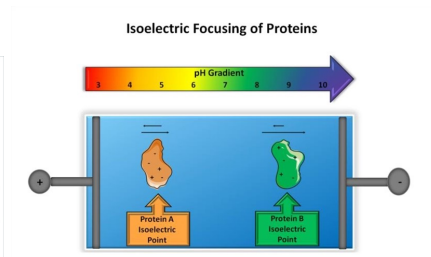
A major aspect in quality control of mAbs is the evaluation of the charge variants and assessment of the isoelectric point

Applied instrumental technique: Capillary Isoelectric Focusing (cIEF)

- ✓ The project will continue for the next few years
- ✓ The student will gain a working knowledge of the fundamental principles of biotech drug quality control and practical issues



mAb



2. Development of paper-based microfluidic devices for electrochemical and spectroscopic detection of bioactive small molecules

The project is within the scope of a PhD thesis/program and focuses on the development of portable sensors/devices that utilizing immobilized enzymes on paper allow for the selective determination of analytes (ascorbic acid, hypoxanthine..) as food preservation markers

- ✓ The project will continue for the next few years
- ✓ The student will gain a working knowledge of the fundamental principles of Lab on a Chip technology

