Master 2 course in *Advanced Quantum Chemistry*

Wavefunction theory		*Density-functional theory*
$\hat{H}\Psi = E\Psi$	$\Leftrightarrow$	$E = F[n] + (v_{\mathrm{ne}}\|n)$
Ψ: electronic wavefunction		n: electronic density

- lecturer: *Emmanuel Fromager*[*], Institute of Chemistry, Laboratoire de Chimie Quantique
- location: Faculty of Chemistry (Esplanade campus)
- Content:

  In this lecture I will introduce and physically motivate the mathematical formalism underlying electronic structure methods that are used in standard quantum chemical packages.

- Prerequisite:

  basics in quantum mechanics (one-electron theory) and linear algebra (matrix representation of operators, eigenvector, eigenvalue).

[*] `https://quantique.u-strasbg.fr/doku.php?id=fr:pageperso:ef:welcome`