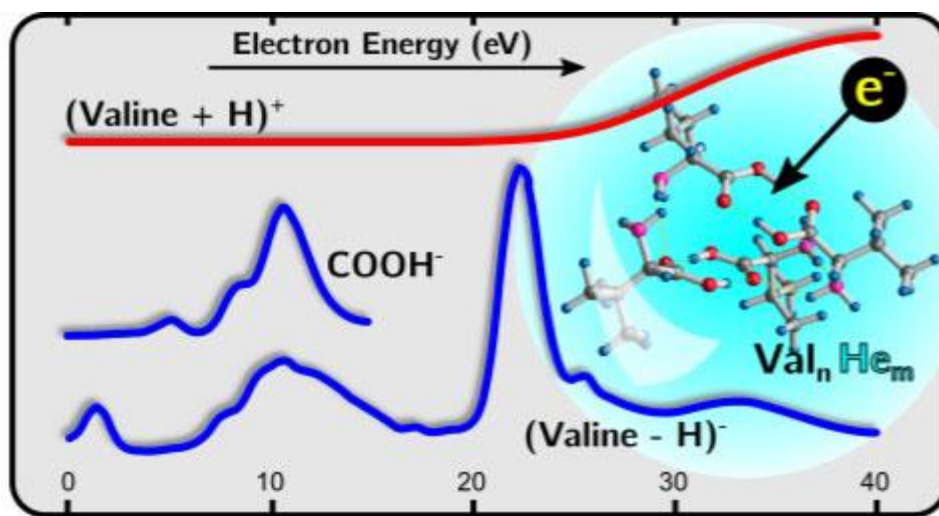


ELEvaTE;

Achievement of Excellence in Electron Processes for Future Technologies.



H2020- Twinning Project 692335

2016 – 2018

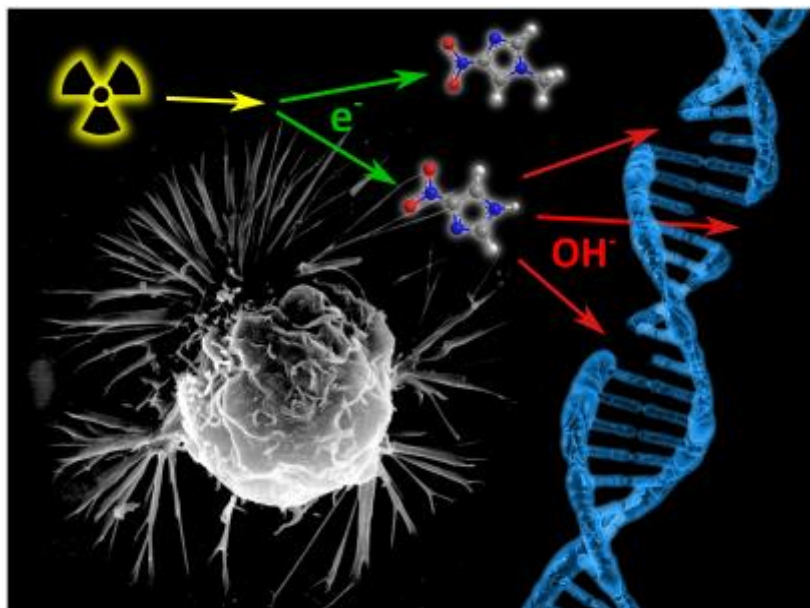


The Open University





ELEVaTE; Achievement of Excellence in Electron Processes for Future Technologies.



Applications of ELEVaTE collaborative research include study of electron induced damage of DNA.

(Angewandte Chemie Int. Ed. Volume 53, Issue 45, 2014, Pages: 12240–12243).

This H2020 Twinning project ‘Achievement of Excellence in Electron Processes for Future Technologies’ (ELEVaTE) is aimed at advancing the excellence of the Electron and Plasma Physics Laboratory (EPPL) in the Faculty of Mathematics Physics and Informatics, Comenius University in Bratislava such that it becomes a centre of international excellence and an exemplar for other Slovakian HEI while furthering the Strategy for Smart Specialization of the Slovak Republic.

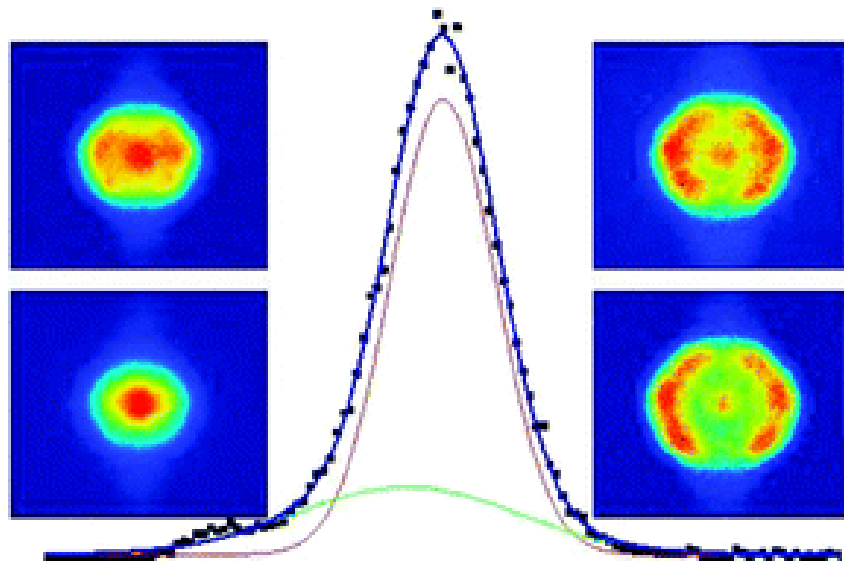
ELEVaTE will twin EPPL with groups working in Molecular Physics at the Open University (OU) in United Kingdom and the Nano-Bio-Group at the Institute for Ion Physics and Applied Physics at the University of Innsbruck (UIBK).

The OU is exceptional in results dissemination and the UIBK combines research with enterprise, both are exemplars of ‘widening participation and gender sensitive research’ and are strong in preparing IPR.





ELEVaTE; Achievement of Excellence in Electron Processes for Future Technologies.



Velocity map images of anions formed in dissociative electron attachment to acetaldehyde, CH_3CHO collected using apparatus at the Open University. Szymanska et al *Phys. Chem. Chem. Phys.*,15, 998-1005 (2013)

ELEVaTE will;

- *Develop the Electron and Plasma Physics Laboratory (EPPL) as a Centre of Excellence.*
- *Perform collaborative research in study of electron interactions with molecules and their role in plasmas.*

Through

- *Hosting a series of workshops and conferences.*
- *Supporting staff exchanges between the partners.*
- *Developing new projects bringing European groups together in the study of electron collisions and plasma physics.*





ELEVaTE; Achievement of Excellence in Electron Processes for Future Technologies.

For further details and information on ELEVaTE look at the website

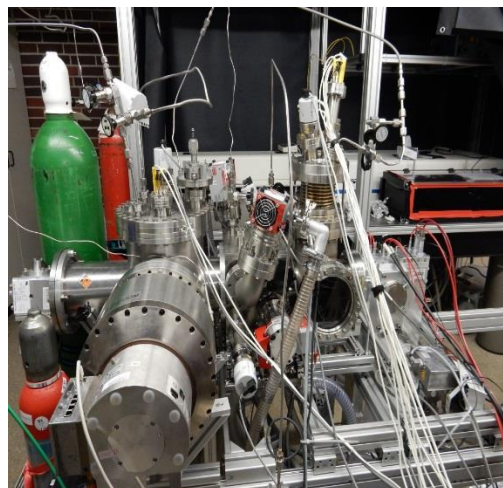
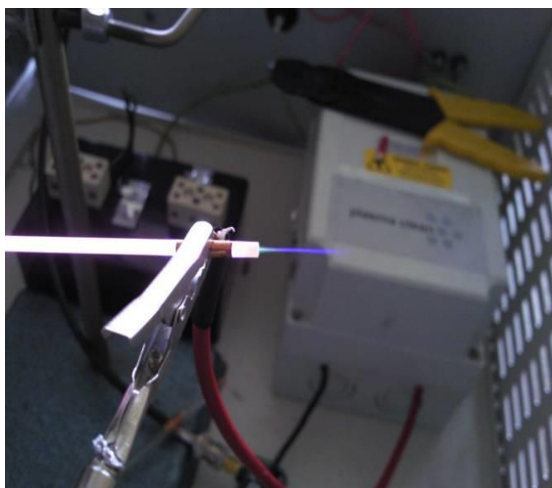
<http://www.elevate-h2020.eu/>

or contact

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ELEVaTE exploits state of the art equipment. Left; A Plasma pen in Argon used in Comenius University. Right; Apparatus at University of Innsbruck to study electron interactions with clusters.

This leaflet was assembled by members of the ELEVaTE collaboration a H2020 funded Twinning project number 692335.

