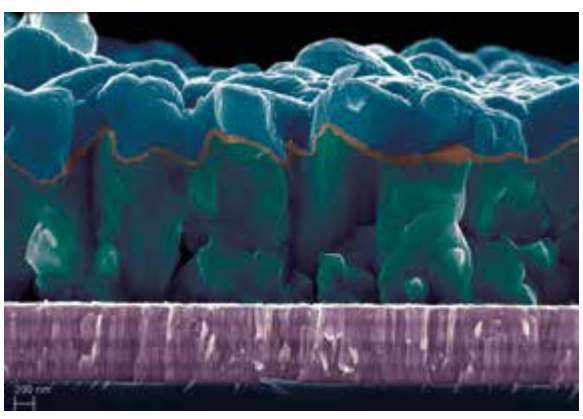
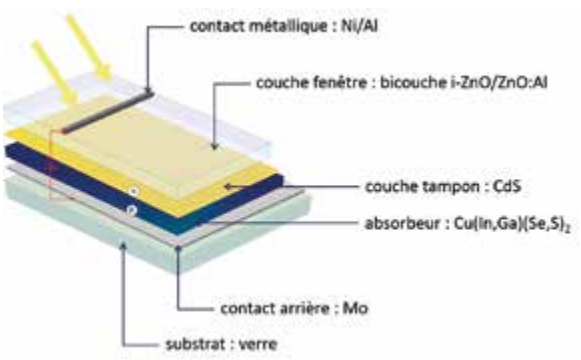
THIS LAB IS SIGNIFICANTLY INVOLVED INTO TWO MAIN RESEARCH AREAS

- The development of new thin film CIGS (CuInGa(S,Se)) based solar cells
- The development of new PV concepts to go beyond the theoretical efficiency limit of single junction PV technologies





THIS LAB HOLDS KEY COMPETENCES IN CHEMISTRY/ ELECTROCHEMISTRY, VACUUM DEPOSITION TECHNIQUES, MATERIALS MODELING, SEMICONDUCTOR MATERIAL CHARACTERIZATION, THUS IT ENABLES US

- To develop and elaborate each layer of a complete solar cell, thereby evaluating different processes and materials
- To fully characterize the materials and devices we made for a complete understanding
- To undergo material and device modeling, using High Performance Computers for predicting and deepening our understanding of the semiconductor Physics

edf.com