



**Xiang-Hua ZHANG**, CNRS Senior Scientist,  
*Head of the Research Group*

**5 CNRS researchers**  
**11 Profs and Assistant Prof.**  
**7 Engineers and Technicians**  
**20 PhDs + 3 Post-Doc**



The Glasses & Ceramics Research Group is one the 11 research groups that form the **Institute of Chemical Sciences in Rennes** (France)



**Jean-Luc ADAM**, CNRS Senior Scientist,  
*Director of the Institute of Chemical Sciences*

## Glasses & Glass-ceramics

**X.H.Zhang (DR)**

- L. Calvez
- H.L. Ma
- M. Poulain
- J. Rocherullé
- P. Benard-Rocherullé

## (Oxy)Nitride Glasses & Ceramics

**F. Tessier (DR)**

- F. Cheviré
- R. Lebullenger
- O. Merdrignac-Conanec

## Thin Films & Optical Fibers

**V. Nazabal (CR)**

- J.L. Adam
- A. Benardais
- M. Cathelinaud
- L. Spanhel
- J. Troles
- *L. Brilland*

## Infrared Sensors

**B. Bureau (Prof)**

- C. Boussard
- J. Lucas

**Sub-groups concerned by Cost Action 1401**

## Research related to Cost Action 1401

- *Creation, synthesis of new optical glasses and glass-ceramics, mainly chalcogenides for the infrared*
- *Elaboration of optical objects: IR bulk optics, optical fibers (including PCF), Channel waveguides*
- *Demonstration of proof of concept: night-vision systems (Automobile, surveillance), optical fiber and channel waveguide sensors (Health, Environment, Food safety), light sources for the IR*
- *New area for chalcogenide glasses & glass-ceramics: Energy (solar cells, photocatalysis, solid electrolytes)*