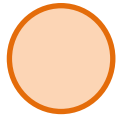


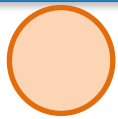
Core C



## Viral Infection and Cancer



24 – 25 novembre 2016



➤ HPV-associated carcinogenesis (cervix, H&N, anus)

- Structure - function & Interactomic
- Omics to define biomarkers
- Role of E6 and E6 isoforms
- New suppressor pathway : YAP/TAZ

REISO-PAP

➤ Characterization of HPV-associated lesion

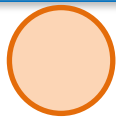
- Validation of theranostic biomarkers
- Focus on HPV DNA integration
- Characterization of HPV DNA sequences from tcDNA

PAPILLOPHAR  
IDAHO  
CaptHPV

➤ Prevention of HPV-associated lesions

- New modalities for the screening of cervical cancer
- Social aspect of cervical cancer screening
- Acceptability of HPV vaccination (25-45y)
- Natural history of HPV infection : H&N and anus

START HPV  
CoheaHr  
SPLIT  
PAPILLAN



➤ **HCV-associated carcinogenesis**

- **Impact of HCV infection on cellular regulation and genetic instability**
- **Cellular and animal models**
- **Transcriptomic, proteomic, metabolomic**
- **Epigenetic regulation**
- **New chemoprevention strategies to limit the progression toward HCC**

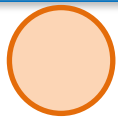
**LABEX ANR-10-LabX-0028\_HEPSYS**

**IHU de Strasbourg : TheraHCC IHUARC IHU201301187**

**Europe : INTERREG-IV-Rhin Supérieur-FEDER-Hepato-Regio-Net,  
ERC-AdG-HEPCIR, H2020 HEPCAR**

**ANRS**

**NIH**



➤ **3 conferences**

- **Social aspect of screening:** P Gomez (Reims)
- **Vaccination and scgcreening:** M Felez-Sanchez-Ocana (ICO, Bercelona)
- **Organized cervical cancer screening:** JJ Baldauf (Strasbourg)

➤ **4 commmunicatrions**

- **HPV DNA integration:** C Clavel (Reims)
- **HPV16 transcript regulation:** K Meznad (Besançon)
- **Cervical cancer screening in elderly patients:** JL Prétet (Besançon)
- **Blood test for HPV-associated cancers:** X Sastre-Garau (Nancy)

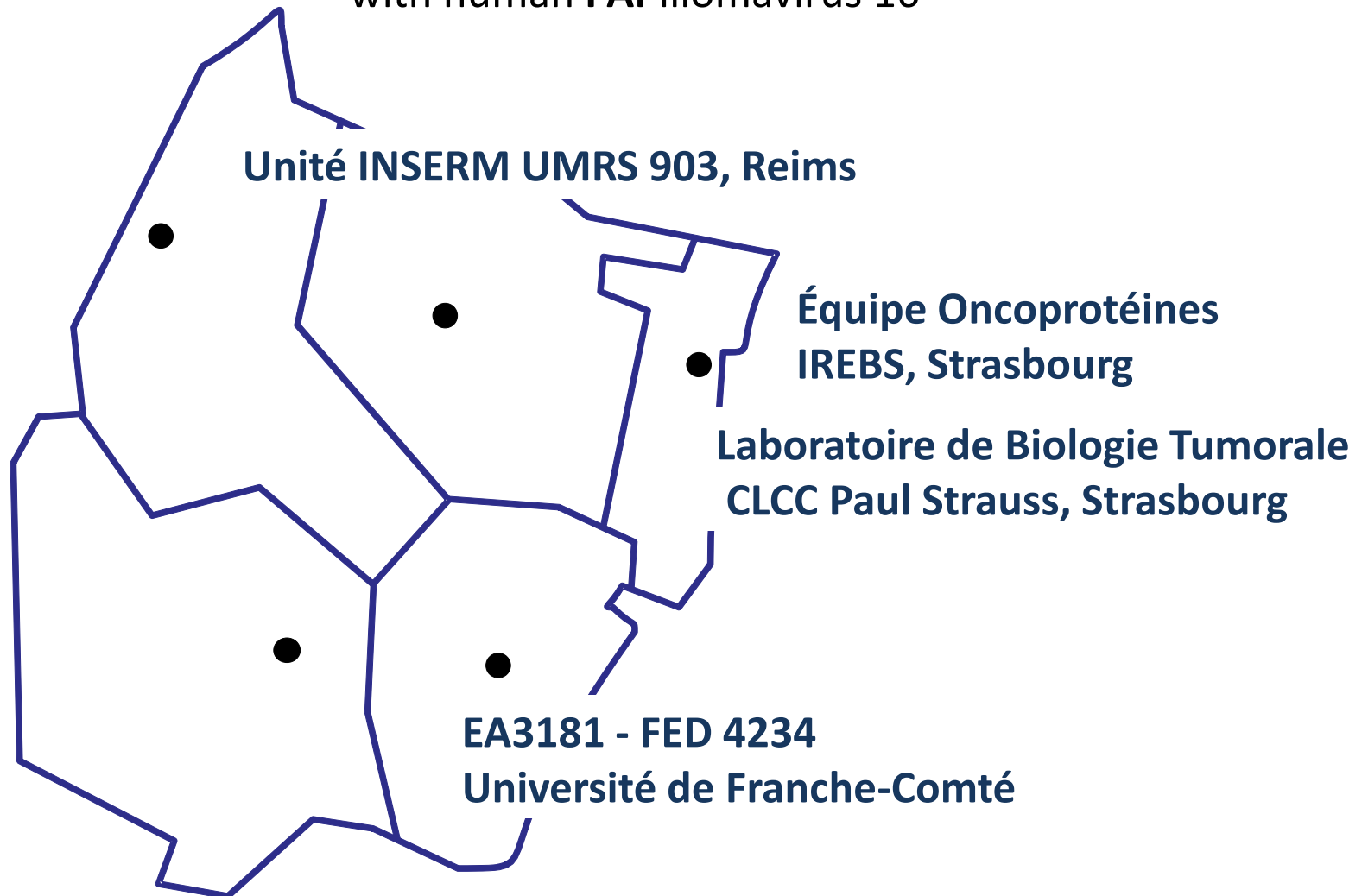
Many thanks to all the actors of core C

Many thanks to all the funders



# The REISO-PAP consortium

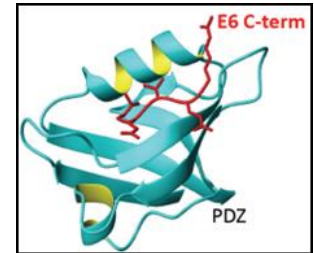
**RE**gulation & functions of E6E7 transcripts and their **ISO**forms  
in the carcinogenesis and tumor progression associated  
with human **PAP**illomavirus 16



# The REISO-PAP consortium

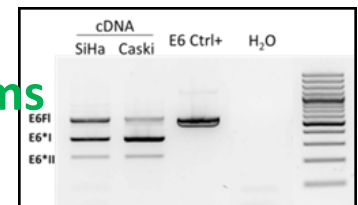
## ➤ Functional studies of E6 proteins

- Development of shared tools
- Structural and functional studies of E6 and RNA interactions



## ➤ Transcriptional and post-transcriptional regulation of HPV16 E6&E7 isoforms

- Epigenetic regulation of E6/E7 transcripts and their isoforms
- Analysis and regulation of HPV16 E6E7 splicing



## ➤ Impacts of E6/E7 transcripts and their isoforms on tumoral progression

- Response to hypoxia
- Modulation of EMT and role of the YAP/TAZ pathway

