

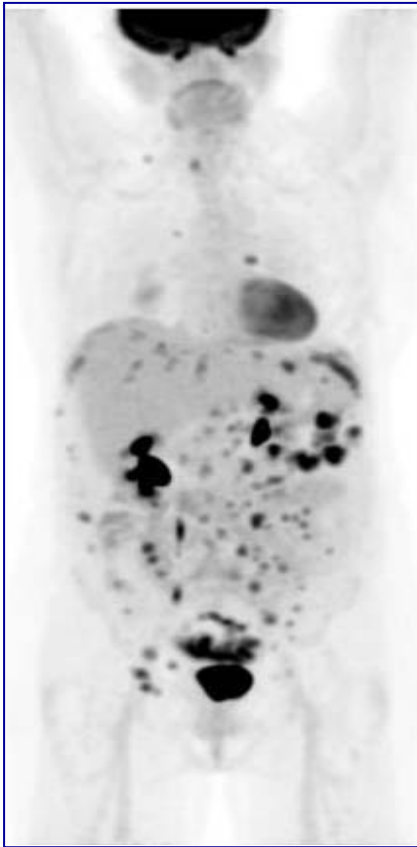
# GCIIG Translational Committee

Thursday 28<sup>th</sup> May 2014

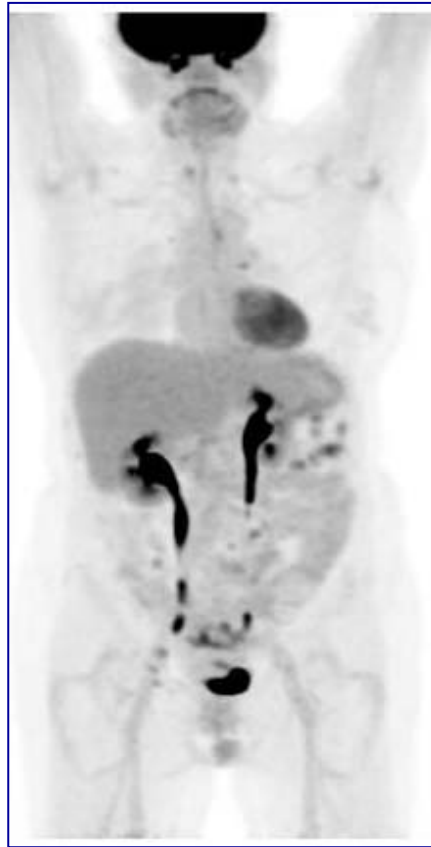
Introduction	Iain McNeish (MCR/NCRI) Clare Scott (ANZGOG)
PET/CT and Tumour volume as biomarkers in relapsed ovarian cancer	Iain McNeish (MRC/NCRI)
Update onPDX and PARPi studies	Clare Scott (ANZGOG)
Update on RAIDS – translational research study in cervix cancer	Suzy Scholl (EORTC)
Gene expression signatures – prediction of debulking	Mike Birrer (GOG)
Update on GCIIG tumour MTA template	Anastassia Negrouk (EORTC)

# Pretty pictures – response and relapse

Baseline



Post #1



Post #6



# PDX platinum response reflects patient outcome

Platinum

PDX <i>in vivo</i> cisplatin response		Patient response to standard therapy			
Sensitive ≥ 100d	1 <sup>st</sup> TFI	#5	#19	#56	#11
	2 <sup>nd</sup> TFI	9mo	16mo	>7mo	>18mo
	STATUS	<u>Alive 26mo</u>	<u>Alive 22mo</u>	<u>Alive 7mo</u>	<u>Alive 23mo</u>
Resistant >100d	1 <sup>st</sup> TFI	#13		#54	#27
	STATUS	3mo <u>Deceased 10mo</u>		>7mo <u>Alive 7mo</u>	17mo: clinical trial <u>Alive 23 mo</u>
Resistant/Refractory	1 <sup>st</sup> TFI	#62			
	STATUS	>5mo <u>Alive 9mo</u>			
Refractory PD on cisplatin	1 <sup>st</sup> TFI	#29		#36	
	2 <sup>nd</sup> TFI	NA		3mo	
	STATUS	<u>Deceased 1mo</u>		2mo on oral cyclophosphamide <u>Alive 16 mo on caelyx</u>	

TFI – Treatment Free Interval

# Context

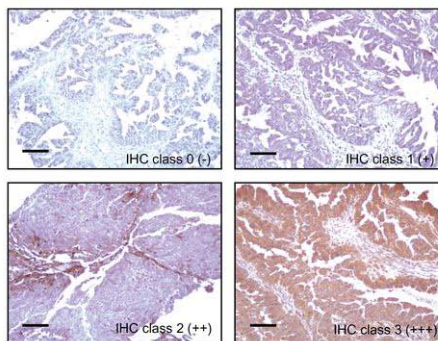
- RAIDs
  - « *Rational molecular Assessments and Innovative Drug Selection* »
- EU Project (FP7): 15 partners (clinical academic centres and SME)
- 8 EU countries and 4 SMEs
- 6 Million euro total budget

<http://www.raids-fp7.eu/>

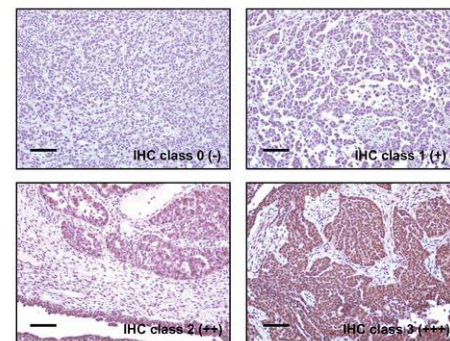


# Validation of POSTN, pSmad2/3, and CXCL14 in an independent cohort by immunohistochemistry (IHC).

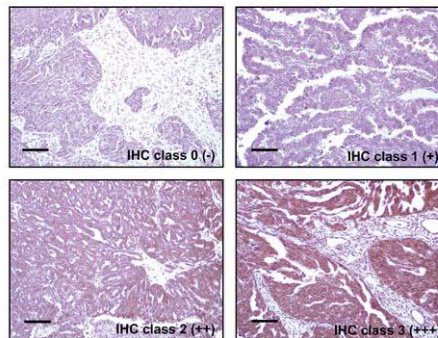
A POSTN tissue array staining



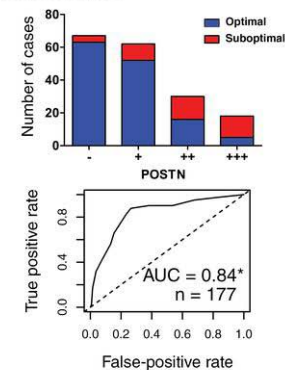
B pSmad2/3 tissue array staining



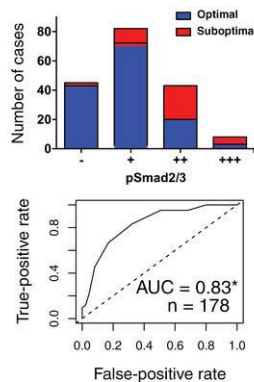
C CXCL14 tissue array staining



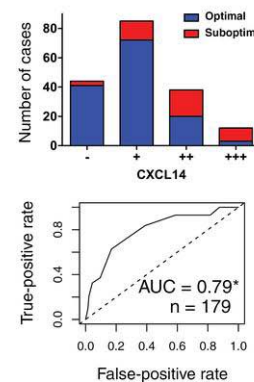
D POSTN IHC



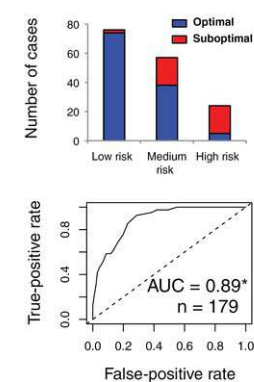
E pSmad2/3 IHC



F CXCL14 IHC



G IHC multivariable



# Harmonisation

- GCIG MTA template
- Translational sample collection in trials



# HHMT Travelling Fellowships

HHMT 13th International Forum on Ovarian Cancer

Toledo, Madrid, Spain, 17th – 21st January 2015

**Available to junior scientists and clinicians with a research interest in ovarian cancer**