



Consensus Meeting on

Renal Progenitors and Kidney Regeneration

Florence, June 10-12, 2016

Chairs:

Paola Romagnani, Benjamin Dekel, Giuseppe Remuzzi

Venue: Convitto della Calza, www.calza.it

Friday, June 10th

14.00-15.00 REGISTRATION

15.00-15.30 *Welcome Coffee*

Opening lecture

Chairs: Romagnani P, Dekel B

15.30-16.00 Nusse R (Stanford), A New Perspective on Liver Homeostasis and Stem Cells

Kidney development

16.10-16.30 Schiffer M (Hannover), Nephrogenesis and regeneration in the zebrafish

16.30-16.50 Hohenstein P (Edinburgh), Wilms' tumor, cancer stem cells and what they teach us about nephron progenitors

16.50-17.10 Gomez RA (Charlottesville), Renin progenitors during kidney development

17.10-17.40 Discussion

Saturday, June 11th

8.00-8.30 *Welcome Coffee*

Who regenerates the glomerulus?

Chairs: Huber T, Xinaris C

8.30-8.50 Rabelink T (Leiden), The endothelium and kidney regeneration

8.50-9.10 Hugo C (Dresden), Renin producing cells

9.10-9.30 Romagnani P (Florence), Parietal epithelial cells

9.30-10.00 Discussion

10.00-10.30 *Coffee break*

When glomerular injury involves regeneration

Chairs: Remuzzi G, Bertram J

- 10.30-10.50 Alpers C (Seattle), Parietal epithelial cells and podocyte regeneration in diabetic nephropathy
10.50-11.10 Peti-Peterdi J (Los Angeles), How to identify glomerular cells by virtue of imaging analysis
11.10-11.30 Shankland S (Seattle), Parietal epithelial cells and renin cells in glomerular regeneration
11.30-11.50 Anders HJ (Munich), Podocyte-Progenitor Feedback Mechanism
11.50-12.10 Two presentations from selected abstracts
12.10-12.40 Discussion

12.40-13.40 *Lunch*

When glomerular injury is followed by glomerulosclerosis

Chairs: Anders HJ, Shankland S

- 13.40-14.00 Benigni A (Bergamo), Glomerular structure modulation after injury
14.00-14.20 Moeller M (Aachen), Consideration on the possible functions of parietal cells
14.20-14.40 Bertram J (Melbourne), Podocyte and parietal epithelial cell numbers in homeostasis and injury
14.40-15.10 Discussion
15.10-15.40 *Coffee break*
15.40-17.40 Huber T (Freiburg), Round Table on hot and debated issue

Sunday, June 12th

8.00-8.30 *Welcome Coffee*

Do tubules regenerate and who does it?

Chairs: Peti-Peterdi J, Hugo C

- 8.30-8.50 Kumar S (Los Angeles), Resident cells
8.50-9.10 Reidy K (Philadelphia) Tubular progenitors in turnover and regeneration
9.10-9.30 Lazzeri E (Florence), The response of tubular cells and tubular progenitors to AKI
9.30-9.50 Dekel B (Tel Aviv), Linking renal progenitors in regeneration and cancer
9.50-10.00 A presentation from selected abstracts
10.00-10.30 Discussion
10.30-11.00 *Coffee break*
11.00-12.40 Johansson M (Malmö), Round Table on hot and debated issue

12.40-13.40 *Lunch*

The kidney in a dish

Chairs: Remuzzi G, Rabelink T

13.40-14.00 Little M (Melbourne), iPSC-derived kidney organoids: investigating cellular identity, protocol reproducibility and applications

14.00-14.20 Xinaris C (Bergamo), Attempts to grow kidney organoids in vivo

14.20-14.40 Bonventre J (Boston): Use of kidney organoids to test genetic disease and nephrotoxicity

14.40-15.10 Discussion

15.10-15.40 *Coffee break*

15.40-17.10 Remuzzi G (Bergamo), Round Table on hot and debated issue

End of the meeting and Consensus Statement