

# -- PROGRAMME --

## 28 April 2024 | DAY 1

07:00 - 08:15 | Registration and sign Attendance Register

08:15 - 08:30 | Welcome

**Glaudina Loots | Director | Health & Innovation, South Africa**

### Session 1

08:30 - 09:00 | Opening address and purpose of the meeting

**Prof Craig Kinnear | Director | South African Medical Research Council - Genomics Platform**

09:00 - 10:00 | “Loss of epigenetic information and aging and Alzheimer’s Disease”

**Prof Harry Steinbusch**

10:00 - 10:45 | “Insights from a new generation of rodent models for understanding Down Syndrome”

**Prof Yann Héroult**

10:45 - 11:15 | COFFEE / TEA

### Session 2

11:15 - 12:00 | “Looking to the future of genome editing for animal models”

**Prof Guillaume Pavlovic**

12:00 - 12:45 | “Epigenetics and drug metabolism”

**Prof Rose Hayeshi**

12:45 - 14:00 | LUNCH AND WALK ALONG THE BEACH

### Session 3

14:00 - 14:30 | “Caecal microbiota composition in diabetic db/db mice and effects of pioglitazone and rooibos”

**Dr Sylvia Riedel**

14:30 - 15:00 | “The effect of long-term high-fat diet feeding on intestinal health of aged vervet monkeys”

**Mr Ronaldo Mukhari**

15:00 - 15:30 | “Contemporary Animal Models for Human Gene Therapy Applications “

**Dr Lucy Ochola**

15:30 - 16:00 | COFFEE / TEA

### Session 4

16:00 - 16:45 | Remote Presentation | From Cape Town to California and back again

**Dr Patrick Soon-Shiong**

18:00 | COCKTAIL FUNCTION - KRYSTAL BEACH DECK

Words of Support to the IMPC by the Deputy Vice Chancellor: R & I, NWU

**Prof Jeffrey Mphahlele**

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**29 April 2024 | DAY 2**

08:00 - 08:30 | Sign Attendance Register

## Session 1

08:30 - 09:15 | “Expanding Horizons: Leveraging Viral Trans-Replicons for Enhanced RNA Production and Beyond-Protein Synthesis Effects”  
**Prof Markus Depfenhart**

09:15- 10:00 | “Of maize and men: is there a place for transient gene expression in plants?”  
**Prof Anne Grobler**

10:00 - 10:45 | Remote Presentation | “Polymeric nanocarriers in gene therapy applications”  
**Prof Alejandro Sosnik**

10:45 - 11:15 | COFFEE / TEA

## Session 2

11:15 - 12:00 | “Zinc finger(s): from a specific role to a regulatory network”  
**Prof Radislav Sedláček**

12:00 - 12:45 | “Congenital heart defects and emphasize the usefulness of the IMPC resource for clinical research especially in the field of rare heart diseases”  
**Dr Nadine Spielmann**

12:45 - 14:00 | LUNCH AND WALK ALONG THE BEACH

## Session 3

14:00 - 15:30 | Working Groups  
**Breakaway Rooms**

## Session 4: Panel Discussion

15:30 – 16:30 | Discussion | Feedback from Working Groups

17:45 | TRANSPORT TO CONFERENCE DINNER

18:30 | CONFERENCE DINNER AND INTERACTIVE DRUMMING SESSION  
- SPIER WINE FARM

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30 April 2024 | DAY 3

08:00 - 08:30 | Sign Attendance Register

## Session 1

08:30 - 09:15 | “Remote Presentation | “Bridging Innovation: The Impact of LCSB Scientific Platforms on Biomedical Research”

**Dr Jan Rozman**

09:15- 10:00 | “Energy: a prime biological driver of life and death: lessons from mouse models”

**Prof Francois van der Westhuizen**

10:00 - 10:45 | “Paternal influence on offspring health: a touch for life”

**Dr Raffaele Teperino**

10:45 - 11:15 | Wrap-up

**Prof Yann Haurault**

11:15 | COFFEE / TEA / COLLECT LUNCH BOXES

11:30 | Site Visits

