



IMPC

International Mouse Phenotyping Consortium

IMPC Webinar

‘International Mouse Phenotyping Consortium: Insights from the Past, Shaping the Future’

22 January 2026

Online

AGENDA

11.00 -11.20 EDT
08.00 -08.20 PDT
17.00 -17.20 CET

Welcome and Introduction

5 min each
(introductory talks) -
20 min

Jason Heaney (IMPC Chair)

Martin Hrabe de Angelis (Infrafrontier ERIC, Germany)

Je Kyung Seong (KMPC, South Korea)

11.20 -12.20 EDT
08.20 -09.20 PDT
17.20 -18.20 CET

Session 1. Update on IMPC production and phenotyping efforts to date

Chairs:

Colin Fletcher (NHGRI/NIH, Washington, USA)

Oleg Mirochnitchenko (ORIP/OD/NIH, Washington, USA)

11.20-11.35 EDT
08.20 -08.35 PDT
17.20 -17.35 CET

Jason Heaney (BCM, USA)

Presentation of the IMPC Programme – Key discoveries /Big picture
10 min presentation + 5 min questions

11.35-11.50 EDT
08.35 -08.50 PDT
17.35 -17.50 CET

Lauryl Nutter (TCP, Canada)

Production and distribution effort
10 min presentation + 5 min questions

11.50-12.05 EDT
08.50 -09.05 PDT
17.50 -18.05 CET

Jacqui White (The Jackson Laboratory, USA)

Phenotyping effort
10 min presentation + 5 min questions

12.05-12.20 EDT
09.05-09.20 PDT
18.05 -18.20 CET

MPI2 - TBD

IMPC Data collection, analysis, and interpretation
10 min presentation + 5 min questions

12.20-12.40 EDT
09.20 -09.40 PDT
18.20 -18.40 CET

Coffee/lunch break (20 min)

12.40 -14.25 EDT
09.40 -11.25 PDT
18.40 -20.25 CET

Session 2. Informing human gene function using knockout mice: IMPC achievements and empowering community research

Chairs:

Jesse Mager (UMass, USA)

12.40 -12.55 EDT
09.40 -09.55 PDT
18.40 -18.55 CET

Yann Hérault (ICS, France)
Overview of IMPC data contributions to research
10 min presentation + 5 min questions

12.55 -13.10 EDT
09.55 -10.10 PDT
18.55 -19.10 CET

Steve Murray (The Jackson Laboratory, USA)
Lessons from more than 2,700 Essential Genes
10 min presentation + 5 min questions

13.10 -13.25 EDT
10.10 -10.25 PDT
19.10 -19.25 CET

Nadine Spielmann (GMC, Germany)
Late Adult Phenotyping
10 min presentation + 5 min questions

13.25 -13.40 EDT
10.25 -10.40 PDT
19.25 -19.40 CET

Speaker - TBD
Title TBC
10 min presentation + 5 min questions

13.40 -13.55 EDT
10.40 -10.55 PDT
19.40 -19.55 CET

Sabine Hoelter-Koch (GMC, Germany)
Uptake of IMPC work/publications for development of pre-clinical models/pre-clinical studies
10min presentation + 5 min questions

13.55 -14.25 EDT
10.55 -11.25 PDT
19.55 -20.25 CET

Kent Lloyd (University of California at Davis, USA)
Summary of the nature, process, and results of the RFI and Survey sent to the research community soliciting their assessment of IMPC to date and the scientific rationale and value for continuing to complete the *in vivo* functional annotation of the human orthologous genes in the mouse genome.
20 min presentation + 10 min questions

14.25 -14.45 EDT
11.25 -11.45 PDT
20.25 -20.45 CET

Coffee break (20 min)

14.45 -15.25 EDT
11.45 -12.25 PDT
20.45 -21.25 CET

Session 3. Scope and structure of a next phase of IMPC

Chairs of session:
Steve Brown (ICS, France)

14.45 -14.55 EDT
11.45 -11.55 PDT
20.45 -20.55 CET

Kevin Peterson (The Jackson Laboratory, USA)
Value for completing the remaining genes
8 min presentation + 2 min questions

14.55 -15.05 EDT
11.55 -12.05 PDT
20.55 -21.05 CET

Naoki Kubo (RIKEN, Japan)
Functional annotation of non-coding sequences
8 min presentation + 2 min questions

15.05 -15.15 EDT
12.05 -12.15 PDT
21.05 -21.15 CET

Infrafrontier, TBD
Future Plans
8 min presentation + 2 min questions

15.15 -15.25 EDT
12.15 -12.25 PDT
21.15 -21.25 CET

Brendan Lee (BCM, USA)
Rare diseases
8 min presentation + 2 min questions

15.25 -16.10 EDT
12.25 -13.10 PDT
21.25 -22.10 CET

Breakout sessions: future focus of the IMPC (45 min)

Break out session I
Completing the null resource

Break out session II
Modeling rare disease variants

Break out session III
Probing other features of the genome

16.10 -16.30 EDT
13.10 -13.30 PDT
22.10 -22.30 CET

Coffee Break (20 min)

16.30 -17.00 EDT
13.30 -14.00 PDT
22.30 -23.00 CET

Summary of Break-out sessions
30 min

17.00 -17.05 EDT
14.00 -14.05 PDT
23.00 -23.05 CET

IMPC prioritization poll
5 min

17.05 -17.45 EDT
14.05 -14.45 PDT
23.05 -23.45 CET

Final Discussion - Future Priorities, Thoughts on Break-out Summaries, Funding
40 min

17.45 -18.00 EDT
14.45 -15.00 PDT
23.45 -00.00 CET (+1)

Closing remarks
15 min

18.00 EDT
15.00 PDT
00.00 CET (+1)

Conference Concluded