**Australian Centre for HIV and Hepatitis**

**Virology Research (ACH4)**

**Abstract Instructions & Template**

We are excited to be holding the ACH4 18th Scientific Conference & Living Positive Victoria, mHIVE World Aids Day Symposium, at The Doherty Institute in Melbourne on 29 November - 1 December 2023...!

Abstracts and oral presentations: Students and grant holders are encouraged to submit abstracts and to present their work. All submitted abstracts will be considered for oral presentation (time allocation to be confirmed).

**Abstract Submission:** Submit your Abstract [here](https://protect-au.mimecast.com/s/iYSfC71R2NTzRZJZwuBhCoi?domain=ach4.org.au/) > You are able to complete the required information directly via the online form & simply upload a copy of your abstract, in PDF Format. (example / template available below)

 **Abstract submission closes: ~~Friday 27 October at 5:00pm AEDT~~**

**\*\*NEW SUBMISSION CLOSE DATE IS**

**THURSDAY 2 NOVEMBER at 5:00pm AEDT ​**​\*\*

**Preparation of abstracts:** Please include the following sections: Authors, Addresses, Introduction, Methods, Results, Discussion and Conclusions. See example below. Calibri, 10 pt. throughout.

**Note:** Any specific abstract ordering of the program should be mentioned upon abstract submission (not after). The Committee will take this into consideration whilst preparing the layout of the program.

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**Example** abstract: 580 word maximum *(includes authors/affiliations)*

# **Conformational signalling in the gp120-gp41 envelope glycoprotein complex of HIV-1**

John Smith1,2, Mary Brown1,2, and Peter Green1,2,3

1Macfarlane Burnet Institute for Medical Research and Public Health, Prahran VIC 3004

2Department of Microbiology, Monash University

3Department of Microbiology and Immunology, The University of Melbourne

# **Introduction:**  The gp120-gp41 glycoprotein complex of HIV-1 mediates viral entry. Interactions between gp120 and cellular receptors ……**…………..**

**Methods:** Cell-cell fusion was determined using a luciferase reporter assay where Env-293T effector cells were cocultured……………………..

**Results:** We found that the gp120-gp41 association function of the gp41 disulfide-bonded region was conserved……………………..

**Discussion:** Our data indicate that the conserved disulfide bonded region of gp41 mediates association with gp120………………….

**Conclusions:**

**(Abstract Form Template)**

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|   |

**Presenting Author:**

|  |  |
| --- | --- |
| Name: |  |
| Address of Institute: |  |
| Telephone: |  |
| Email: |  |

**Please indicate your career level (prize eligibility):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [ ]  Student | [ ]  Research Assistant | [ ]  Postdoc | Year PhD conferred: |  |

 **Do you intend to apply for an ACHV- Hepatitis Domestic Travel Award (Students/ECRs only)**

[ ]  Yes

**Please indicate from 1 - 3 which categories your abstract belongs to.** *(Please rank your selections with 1 being the most relevant)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HIV** | **HCV/HBV** | **Co-infection** | **HTLV-1** | **COVID-19 & BBV/STI** |
|  | Genomics |  | Genomics |  | Genomics |  | Genomics |  | Genomics |
|  | Methods and Diagnostic Assays |  | Persistence and latency |  | Immunity |  | Immunity |  | Immunity |
|  | Microbicides |  | Replication |  | Pathogenesis |  | Pathogenesis |  | Pathogenesis |
|  | Persistence and latency |  | Therapies & Drug Resistance |  |  |  |  |  |  |
|  | Replication |  | Vaccines |  |  |  |  |  |  |
|  | Therapies and Drug Resistance |  | Virus & Host Cell Interactions |  |  |  |  |  |  |
|  | Vaccines |  |  |  |  |  |  |  |  |
|  | Virus and Host Cell Interactions |  |  |  |  |  |  |  |  |

 **Additional Comments**Please advise if you intend to attend / present virtually

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| [ ]  Yes - Virtual |