


**Stem Cell COREdinates Annual Meeting (hybrid format)**  
**February 2-3, 2023**  
**The Graduate Hotel**  
**Chapel Hill, NC**

 **Zoom** : Register in advance for this meeting at:  
<https://penmedicine.zoom.us/meeting/register/tJArc-iuqTwvHNC9PUYKKt7PtxKpgaE31Vwh>

**Please note that this is a closed meeting and confidentiality rules apply**

## Agenda

**Thursday, February 2, 2023** (all times listed in US Eastern Time): **Davie Poplar Room**

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| 7:00 – 8:00 am   | Buffet Breakfast and check-in (Dorrance Room)  |
| 8:00 – 8:15 am   | Welcome, COREdinates overview and ISSCR focus session<br><i>Wenli Yang</i>   |
| 8:15 – 8:30 am   | UNC at Chapel Hill stem cell core overview<br><i>Adriana Beltran</i>   |
| 8:30 – 10:05 am  | COREdinates discussion session 1 - Gene editing<br>(Moderators: Samuele Marro and Justin McDonough) <ul style="list-style-type: none"><li>- <i>Knockout strategies</i></li><li>- <i>AAV editing – Jacqueline Smith, Brock Roberts</i></li><li>- <i>Prime editing – Ting Zhou</i></li><li>- <i>Other topics</i></li></ul>   |
| 10:05 – 10:20 am | Break  |
| 10:20 – 12:00 pm | COREdinates discussion session 2 – Reprogramming<br>(Moderators: Laurence Daheron and Chris Navara) <ul style="list-style-type: none"><li>- <i>mRNA reprogramming, TBD</i></li><li>- <i>Reprogramming non-human primate cells, Chris Navara</i></li><li>- <i>Other topics</i></li></ul>  |
| 12:00 – 1:00 pm  | Boxed lunch (Dorrance Room)  |
| 1:00 – 2:30 pm   | Walking tour of UNC- <i>Adriana Beltran and Justin McDonough</i><br>One-hour tour. Starting at The Graduate Hotel, next McCorkle Place, the Old well, Coker Arboretum, Forest Theater, The Pit, Bell Tower and back to The Graduate Hotel.   |
| 2:30 – 4:00 pm   | COREdinates discussion session 3 - Stem cell maintenance and differentiation<br>(Moderators: Wenli Yang and Barbara Corneo) <ul style="list-style-type: none"><li>- <i>Microglia and Astrocytes- Joel Glover, Adriana Beltran</i></li><li>- <i>Comparison of commercial media and effects on differentiation - Dosh Whye</i></li><li>- <i>Differentiated cell and organoid banking</i></li><li>- <i>Other topics</i></li></ul> |
| 4:00 – 4:15 pm   | Break  |

- 4:15 – 5:00 pm Keynote Talk  
*Jason Stein PhD, Associate Professor of Genetics, UNC at Chapel Hill*  
*“Modeling brain structure using human neural stem cells”*
- 5:00 – 5:20 pm Update on Stem Book and Stem Journal  
*Nello Spiteri, Consulting Publishing Director, IOS press*
- 7:00 pm Group dinner at 411West, 411 West Franklin Street, Chapel, Hill, NC, 27516

**Friday, February 3, 2023** (all times listed in US Eastern Time): **Davie Poplar Room**

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- 7:00 – 8:00 am Buffet Breakfast (Dorrance Room)
- 8:00 – 9:00 am Bio-techne presentation and discussion  
*Eli Perr and Brie Perell*  
*“Developing stem cell-based tools and processes for regenerative medicine”*
- 9:00 – 10:30 am COREdinates discussion session 4 – Gene editing II  
 (Moderators: Samuele Marro and Justin McDonough)
- *Off-target and On-target effects*
  - *Isogenic controls*
  - *Virtual karyotyping*
  - *Other topics*
- 10:30 – 10:45 am Break
- 10:45 – 12:15 pm COREdinates discussion session 5 – Differentiation II  
 (Moderators: Wenli Yang and Barbara Corneo)
- *Neuronal lineages (2D and 3D) differentiation- Dosh Whye*
  - *Emerging 3D models-Harold Stachelscheid*
  - *Maturation of differentiated tissues*
  - *How should we structure differentiation services-Ting Zhou*
- 12:15- 1:15 pm Boxed lunch (Dorrance Room)
- 1:15 – 3:00 pm COREdinates discussion session 6 – Core administration, management, finances, staff retention and promotion (Moderators: Wenli Yang and Barbara Corneo)
- *Guest speaker: Nate Herzog, Core Marketplace*  
*“How to raise visibility of cores and their roles in research”*
  - *Guest speaker: Philip Hockberger PhD, Associate Vice Dean for Research and Associate Professor, Northwestern University*  
*“Core-specific job families: a key to career advancement”*
- 3:00 pm Meeting adjourns

**Hotel and Conference Center Address:**

Graduate Chapel Hill  
 311 W Franklin St  
 Chapel Hill, NC 27516  
 919-442-9000

**Additional Hotel Accommodation (2 blocks from Graduate)**

AC Hotel by Marriott Chapel Hill Downtown  
214 W Rosemary St  
Chapel Hill, NC 27516  
919-969-2800

**Transportation from Raleigh-Durham International Airport (RDU)**

Uber, Lyft, taxi, ~25 mins

Bus (<https://gotriangle.org>). Chapel Hill Buses are free with limited service on the weekend

Traffic from and to the airport is usually light except for weekdays 4:30 to 6pm

**Local contact**

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