

**Holland Group Meetings, Fall 2022**  
**Wednesdays: 6-7:30 pm, SCL 19**

Wednesday	Presenter	Topic	Notes
Aug 24	Chris, Hanin	Research	Nere Hidalgo interview 8/25; Aug 26 is YCS
Aug 31	Juan/Dan	Literature	
Sept 7	Erik	Research	Simon Suhr interview 9/6
Sept 14	Conner	Research	Bren seminar 9/12
Sept 21	Alex	Research	
Sept 28	Linda/Alec	Literature	
Oct 5	Allie	Research	Hartwig seminar 10/3
Oct 12	Dan	Research	
<del>Oct 19</del>		No meeting	
Oct 26	BOPS	Special meeting	
Nov 2	Reagan	Research	
Nov 9	Majed	Research	Bullock seminar 11/7
Nov 16	Alex/Reagan	Literature	
<del>Nov 23</del>	Turkeys	No meeting	Nom Nom
Nov 30	Alec	Research	
Dec 7	Linda	Research	Bart seminar 12/5
Dec 14	Maria, Elena	Research	
Dec 21	Juan	Research	
Jan 11	Hanin	Research	

**Group Meeting formats on second page.**

**Research group meeting:** The introduction should have the logical basis for the project, and some literature review to get everyone else up to speed. However, don't present results from previous group meetings, except as needed to put new results in context. Don't show a lot of raw data, like a subgroup meeting. Rather, focus a substantial fraction (1/3) of the meeting on your proposed experiments and vision of what paper(s) are envisioned to look like, and potential pitfalls. This trains us to present our results in context with professional delivery and slide construction, to plan the most efficient route to a air-tight paper, and to get feedback on alternative interpretations and criticisms of logic.

**Literature group meeting:** Done by a team of two group members, and topic ideally outside the comfort zone for both, or one where both can learn from each other. They choose a paper or a few linked papers, which are distributed 1 week ahead of the meeting. Everyone is expected to think about the paper(s) in advance. During presentation, only 1-2 slides max. A couple of set questions each time "What is the significance?" "Did they introduce all the key concepts and how did they do it?" "What studies should be done next?" Another 3-5 discussion questions are suggested by the presenter; these should be open-ended. ("Open-ended" doesn't mean a vague question - this means a question that requires a thoughtful answer that is likely to lead to more discussion.) This trains us to read the literature carefully, to format our own papers, and leads to discussion of fundamentals.

**New types of group meeting:** MIPS (mini proposal of the semester) and BOPS (big ol' problem solving). Topics announced 1 month ahead of time.

MIPS: Diverse groups generate a potential research project to solve a problem, based on applying a new result in one area to a different area. BOPS: Challenging problems in current chemistry are proposed, and each person comes up with their own potential solution. With both, the group meeting consists of discussions of the different solutions, and others critique the logic, pitfalls, and strategy. This trains us on effective logic, identifying pitfalls, exercising creativity, and applying fundamentals.

**Paper plan group meeting:** 1 week ahead of time, a hypothetical result is given, and each group member tries to devise a vision of what the paper would look like, and what experiments are needed in order to complete a logical and compelling paper. In group meeting, we discuss our various ideas, and come to a consensus solution. This trains us to efficiently plan out pathways from initial results to publishable manuscripts.