Template for a Research Presentation

- Title: Slide 1
- Background: Slides 2-5
- Results: Slides 6-N (N is number of slide which depends on amount of data)
- Summary Slide: N+1
- Acknowledgements: N+2

- In general, do not make slides with all texts.
- Write down the points you want to mention in the notes below to help you organize your points in a concise and logical way
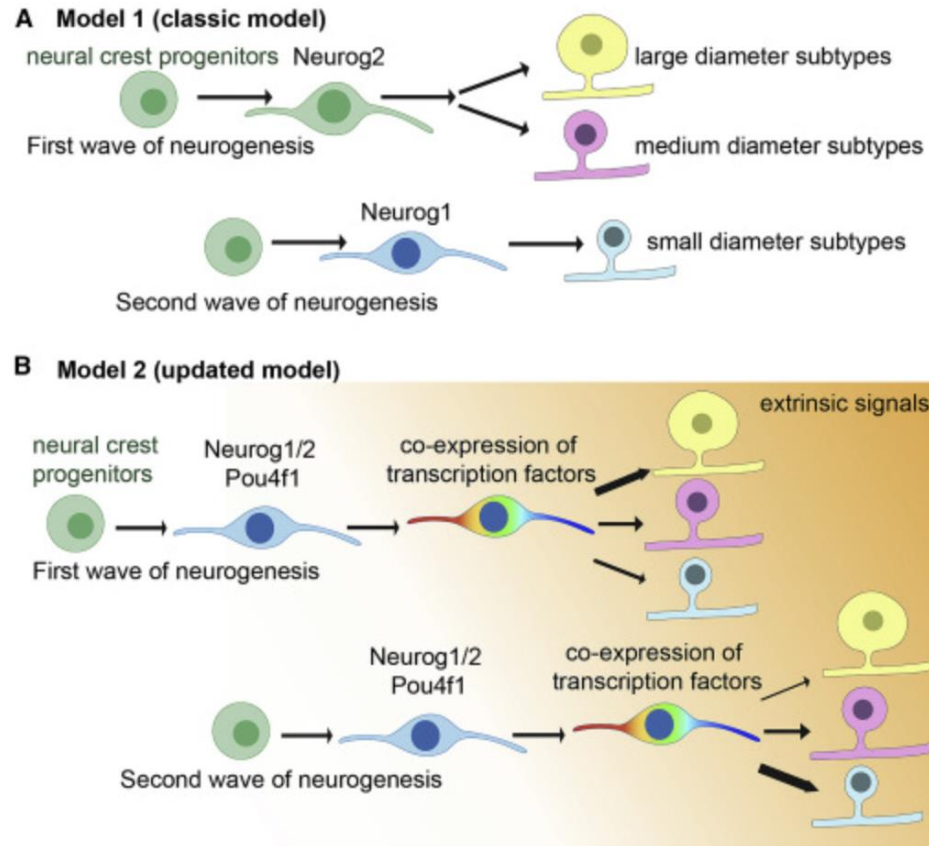
(Title of Project)

(Full Name)

(Date of Presentation)

(include a science or art related image)

Paul Signac, Antibes, the Pink Cloud, 1916

Background title
(highlight the importance of your project)

A Model 1 (classic model)
neural crest progenitors Neurog2 → large diameter subtypes → medium diameter subtypes
First wave of neurogenesis
Neurog1 → small diameter subtypes
Second wave of neurogenesis

B Model 2 (updated model)
neural crest progenitors Neurog1/2 Pou4f1 co-expression of transcription factors extrinsic signals
First wave of neurogenesis
Neurog1/2 Pou4f1 co-expression of transcription factors
Second wave of neurogenesis

(References paper here)
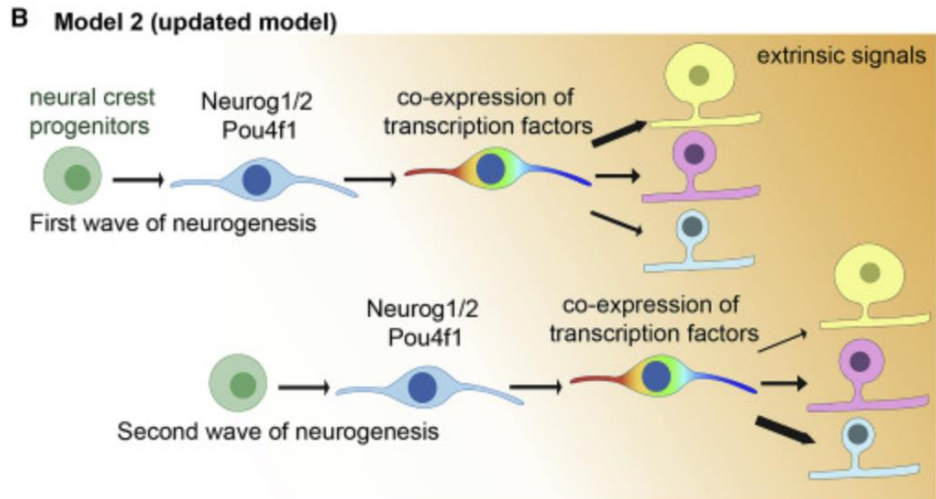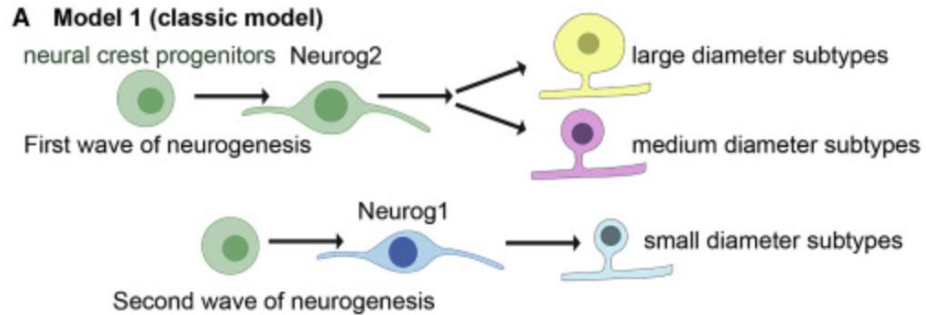Meltzer et al., Neuron, 2021

- Bullet points about:
- background on the main topic studied in the project
- Explain why your study is important
- List main questions that are still unanswered or not fully answered

Background title
(highlight what questions you want to address)

A **Model 1 (classic model)**

neural crest progenitors Neurog2 → large diameter subtypes

First wave of neurogenesis → medium diameter subtypes

Neurog1 → small diameter subtypes

Second wave of neurogenesis

B **Model 2 (updated model)**

neural crest progenitors Neurog1/2 Pou4f1 co-expression of transcription factors extrinsic signals

First wave of neurogenesis

Neurog1/2 Pou4f1 co-expression of transcription factors

Second wave of neurogenesis

(References paper here)
Meltzer et al., Neuron, 2021

- Bullet points about each question
- Can also be in the format of aim 1, 2, 3.

Approaches title
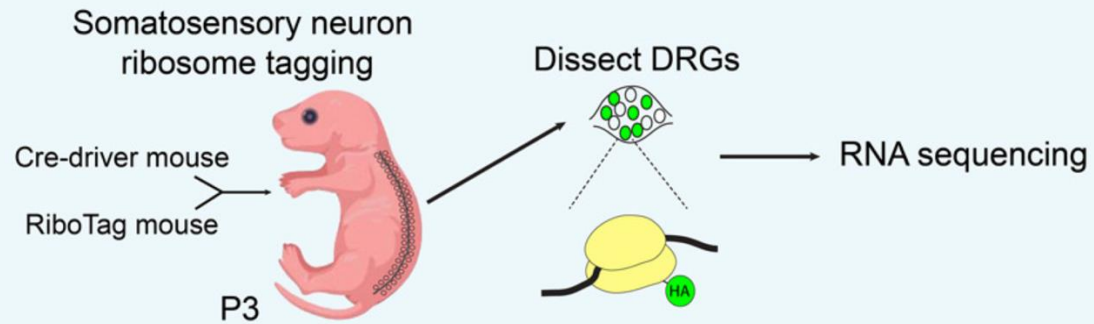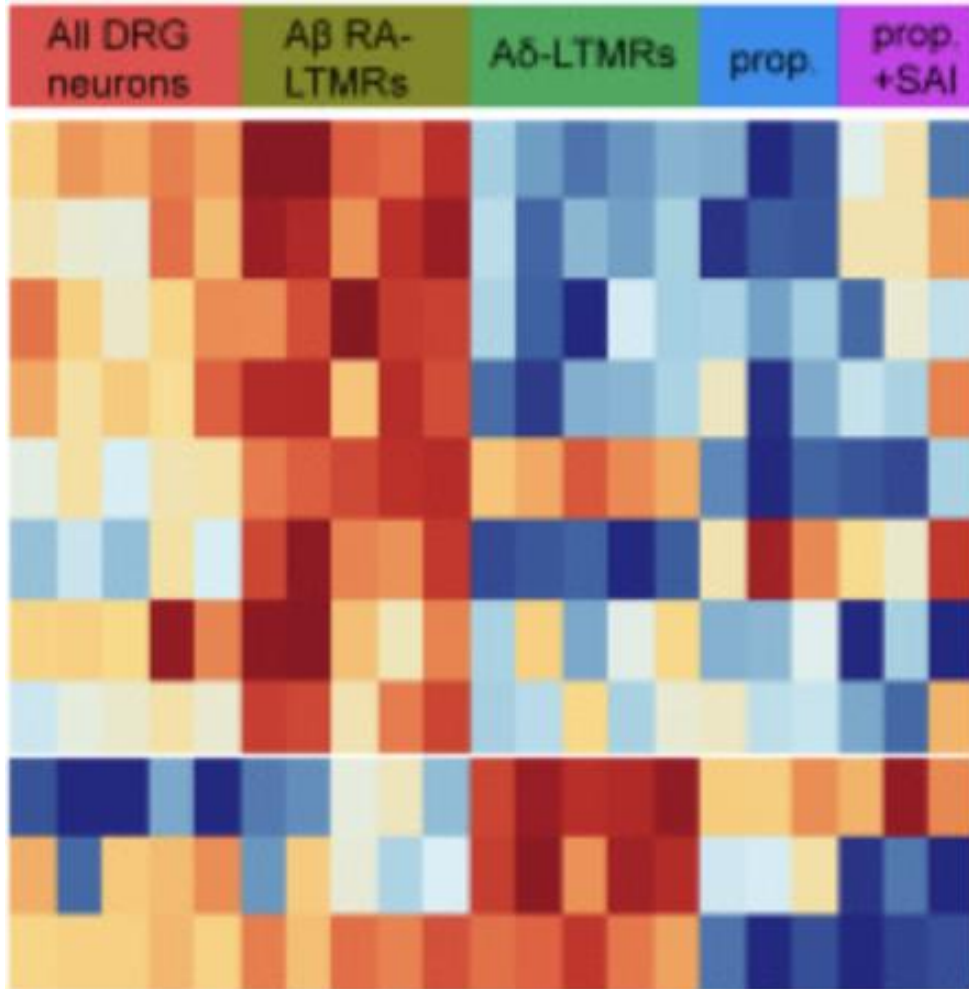# (how you are addressing this question)

Diagram on relevant experiment design

- Include key technical details
- Include targeted number of replicates
- Provide any relevant information, such as technique reference papers, pertaining to the design here

Results title
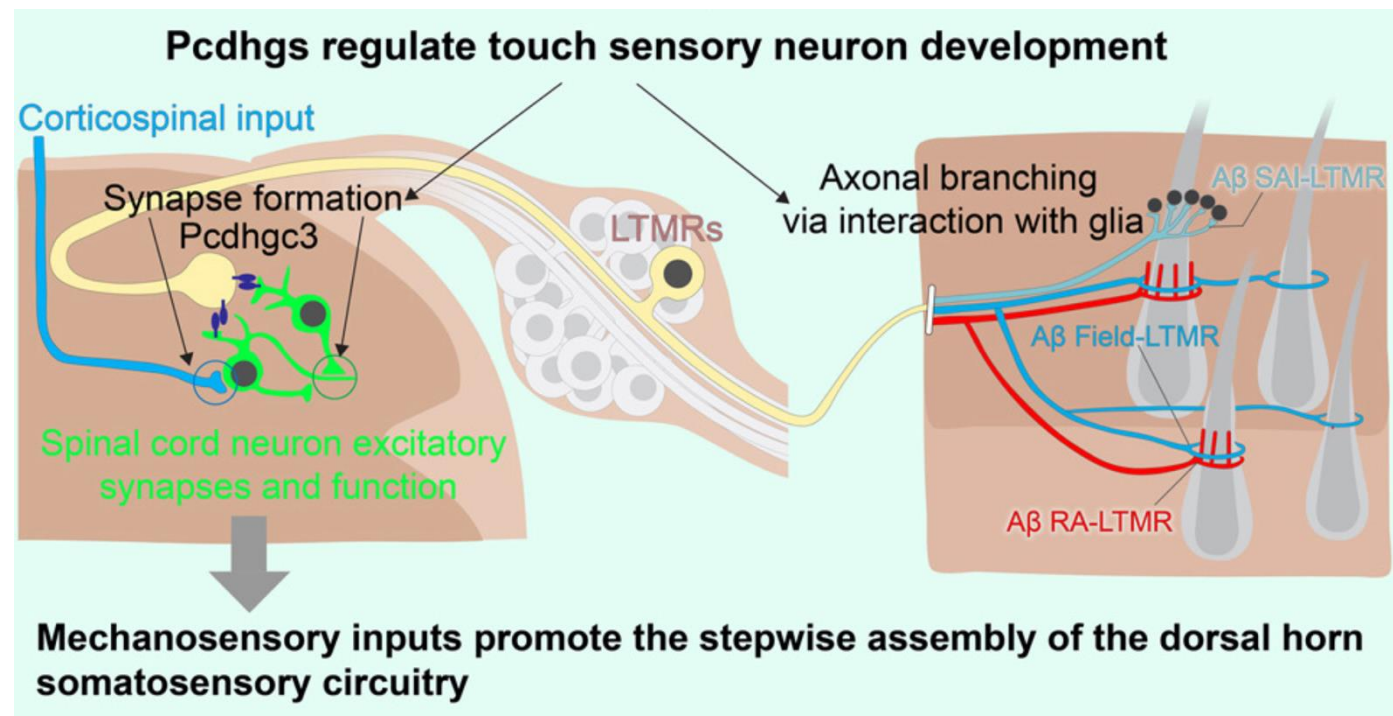## (conclusion drawn from data shown on slide)

- Original data shown
- Data that leads to conclusion
- Provide any relevant information pertaining to the data here (e.g. genotypes, replicates, statistical significance, number of cells/animals)
- Include relevant information from literature if needed
- Indicate if you need more samples

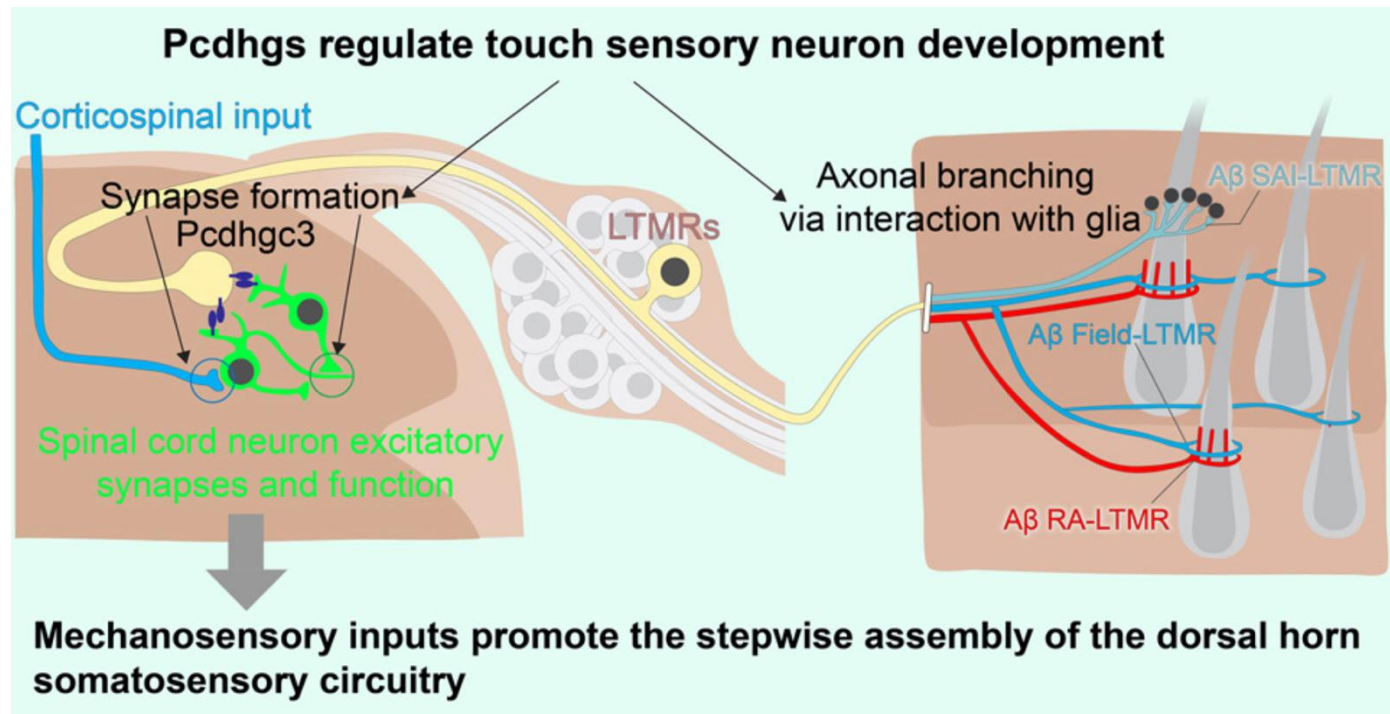Acknowledge people who helped with this experiment

Summary
(key findings from the data you have)

- Provide a few key take home points from the research paper

- Images can be used here to summarize your findings)

Pcdhgs regulate touch sensory neuron development

Future directions

- Provide experiments you need to do
- Mention alternative methods if needed

Acknowledgements

- list the names of the people who helped you conduct research. Be generous with your acknowledgements! (mentors, lab members, collaborators)

- List cores you used

- list sources of funding

- Can include a lab photo if available