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Dr. Bin Chen's laboratory at the Department of Molecular, Cell, and Developmental Biology at the University of California, Santa Cruz is looking for highly motivated postdoc candidates in stem cell biology. We are investigating the lineage progression of neural stem cells and cell fate specification in the cerebral cortex. Current research projects include:

1. Neural stem cell lineage progression and glioblastoma – studying the mechanisms regulating neural stem cell lineage progression, and how cancer driving mutations hijack the normal lineage progression of the neural stem cells and lead to glioblastoma
2. Cell fate specification of cortical excitatory neurons – investigating how transcription factors and chromatin remodeling proteins regulate the identities of cortical neurons
3. Modeling neurodevelopmental disorders using patient-derived human iPS cells and cortical organoids, and screening for molecules that improve the differentiation and function of mutant neurons

Interested applicants who are US citizens will be eligible to apply for our NIH IRACDA fellowship for successful academic careers (<https://ibsc.ucsc.edu/postdoc-training/iracda>). The program will provide rigorous research training in Stem Cell Biology while imparting mentoring skills that promote inclusive learning environments. Interested applicants should email their CV and contact information for three references to Dr. Bin Chen at bchen@ucsc.edu.