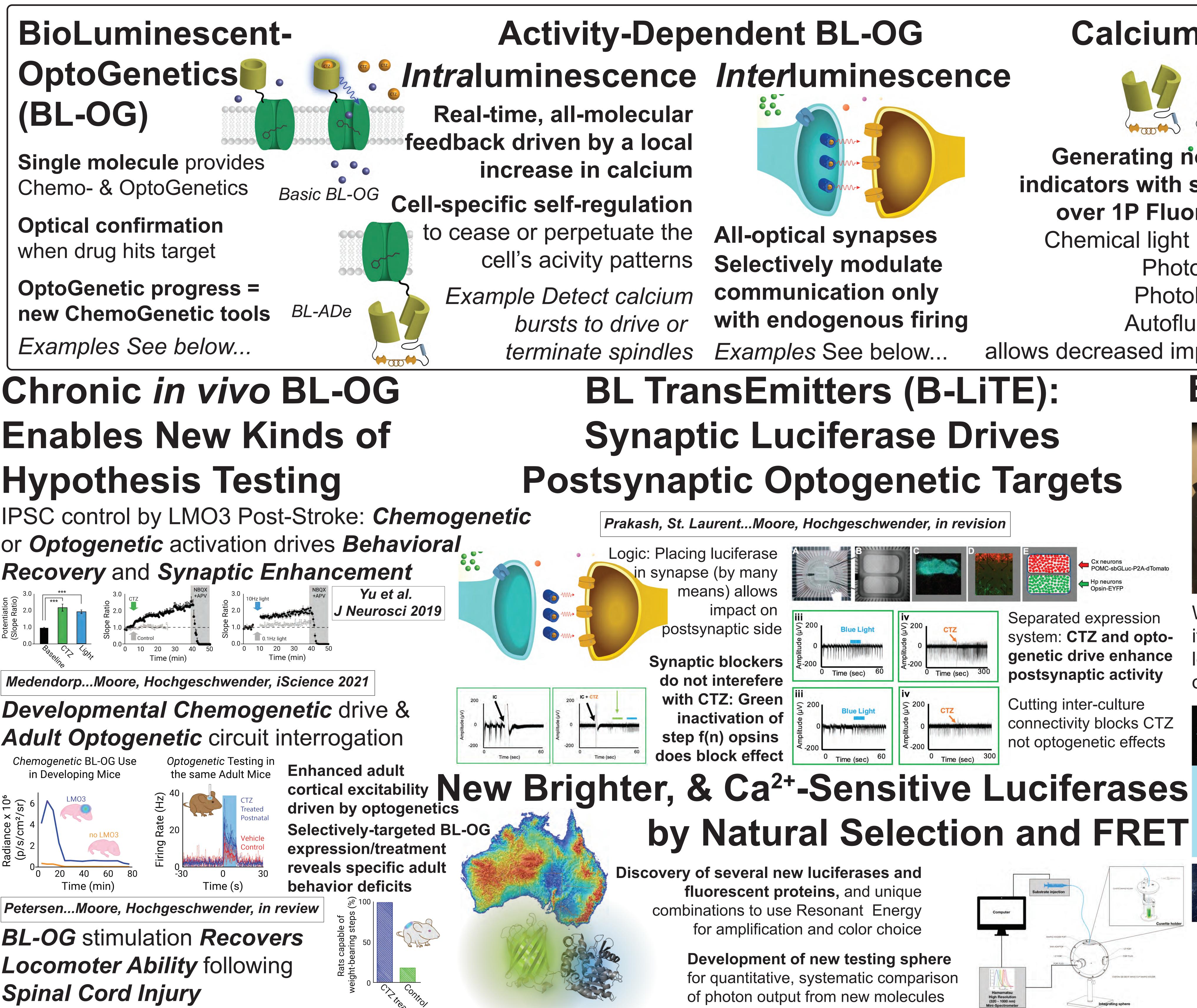
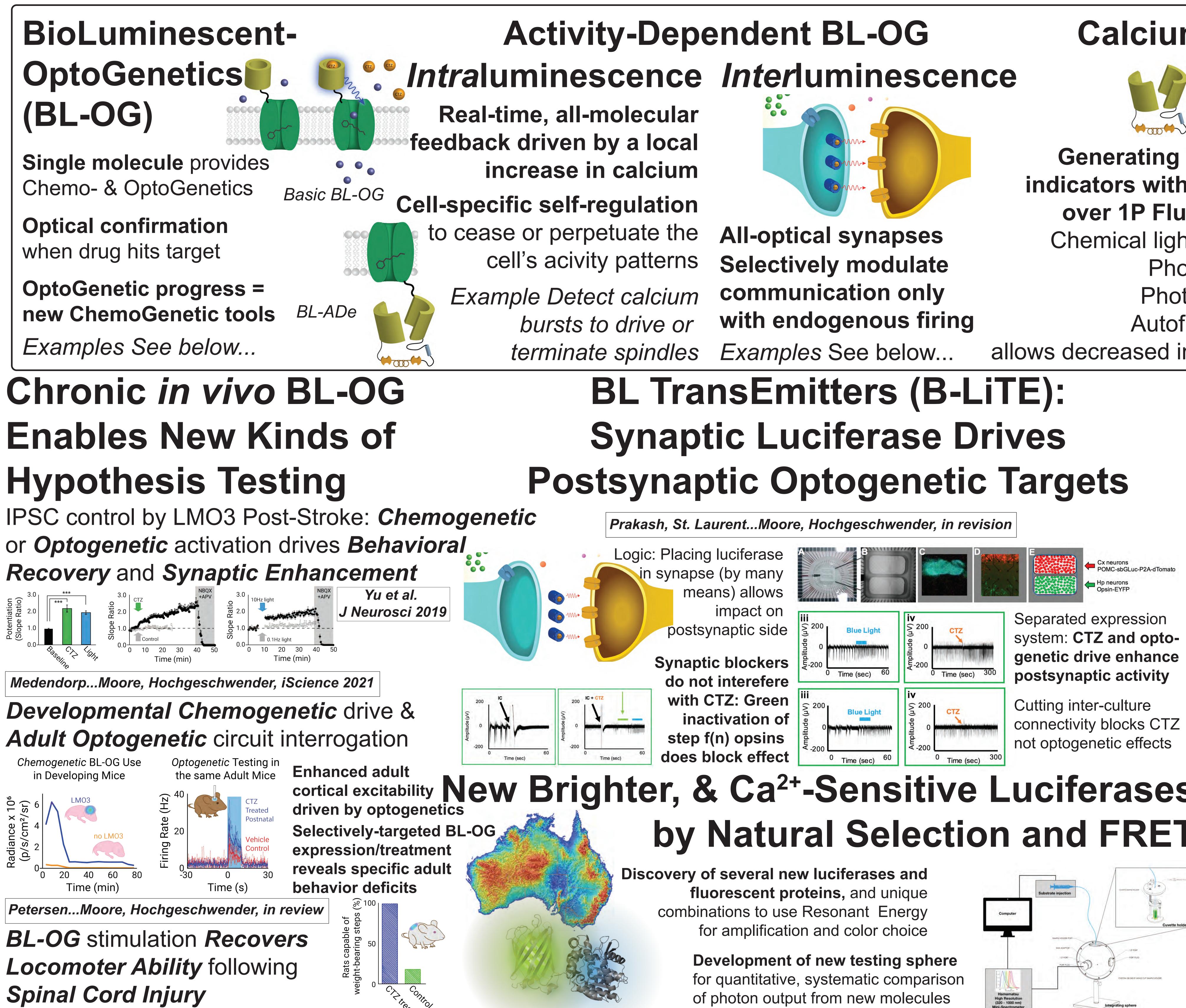
Distinct Advantages of BioLuminescence for Neuroscience

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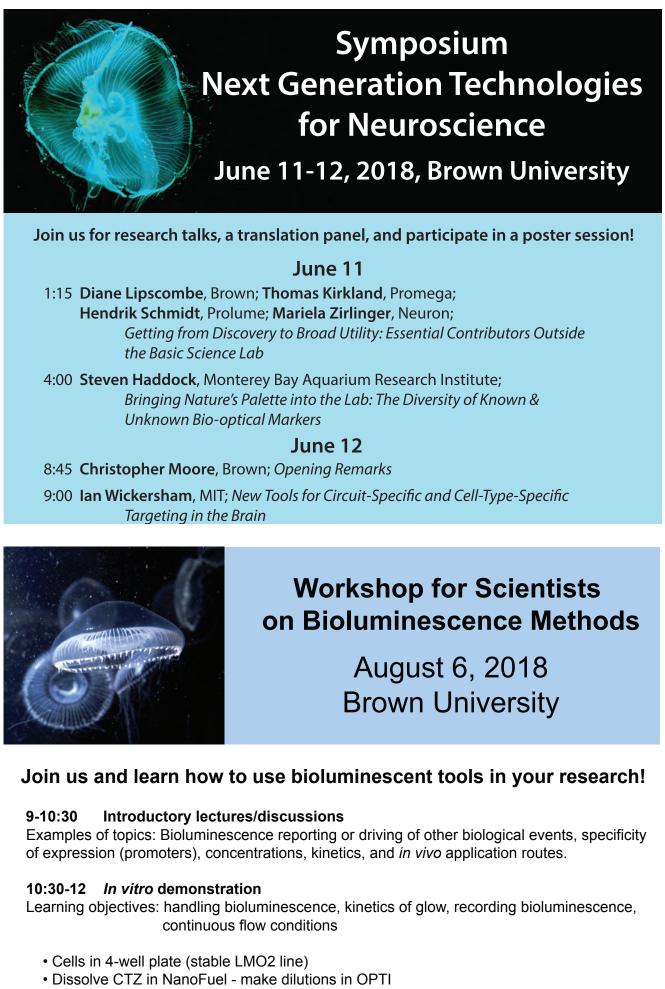
(BL-OG)





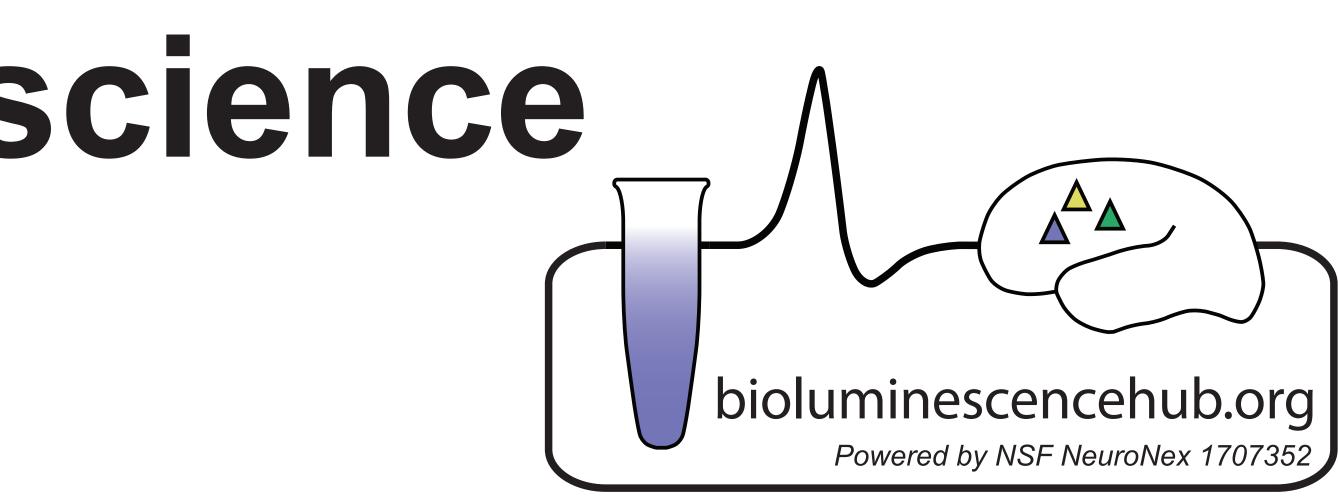
Calcium Sensing LumiPorelns **BL** calcium indicators tethered to CaV channels can provide highly Generating novel BL calcium selective, nanoindicators with several advantages domain sensing over 1P Fluorescent imaging Ca_v channel Chemical light production avoids: Photodamage Photobleaching Autofluorescence allows decreased implanted microscope size **Education, Dissemination**

We have hosted 42 students from 37 colleges over 3 iterations of our intensive, week-long Practicum. Our lectures and labs explore bioluminescence at the organismal, chemical, physical, and molecular level.





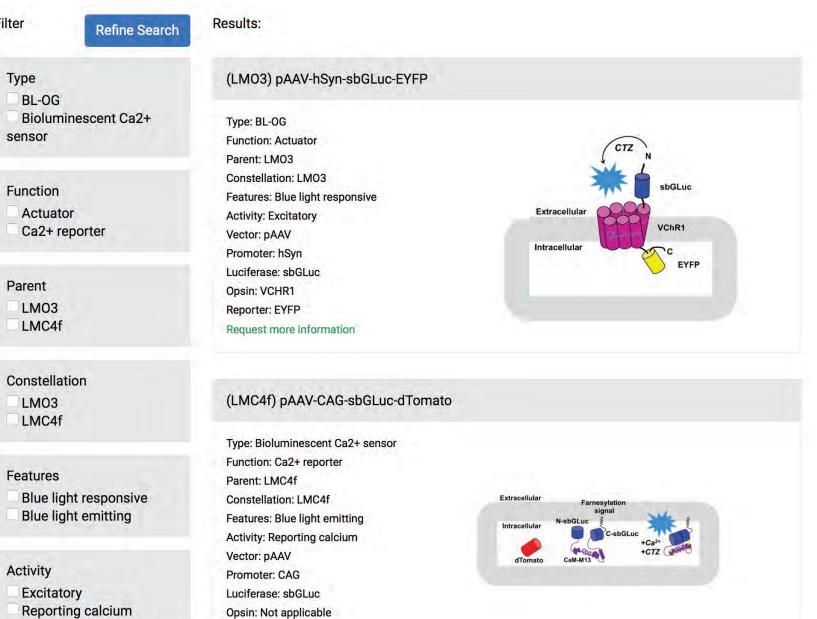
Handling CTZ Add to culture well - observe by eye





We disseminate BL tools and Workshops, know-how by Symposia, and via our Website: www.bioluminescencehub.org

BL Constructs Database



Reporter: dTomato