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## 🌐 Live-cell imaging; Calcium imaging with Fura-2

Minee-Liane Choi<sup>1</sup>

<sup>1</sup>UCL Institute of Neurology



Minee-Liane Choi

UCL Institute of Neurology, The Francis Crick Institute

### ABSTRACT

This protocol describes a method to perform calcium imaging with Fura-2 (live-cell imaging)

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**Protocol status:** Working

We use this protocol and it's working

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**PROTOCOL integer ID:** 67954

**Keywords:** ASAPCRN

**1** Cells are washed with HBSS (Cat No. 14025092, ThermofisherScientific)

**2** Cells are loaded with 5uM of Fura 2-AM (F1221, ThermofisherScientific) in HBSS.

**Note**

Fura 2-AM: 340/380 ratiometric measurement. Upon binding calcium, Fura-2 exhibits 340 nm and does 380 nm in the rest of the condition.

**3** CCD protocol is set up by selecting a501 nm wheel (both 340 nm and 380 nm wavelength are excited b 501 nm).