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Microfluidics in Cell Biology Part C: Microfluidics for Cellular and Subcellular Analysis. Edited by Daniel A. Fletcher, Junsang Doh, Matthieu Piel. Volume 148, Pages 2-250 (2018) ... Download PDF. Chapter preview. select article Chapter 7 - Quantifying phenotypes in single cells using droplet microfluidics.

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Microfluidics in Cell Biology Part B: Microfluidics in Single Cells. Edited by Matthieu Piel, Daniel Fletcher, Junsang Doh. Volume 147, Pages 2-231 (2018) Previous volume. ... Download PDF. Chapter preview. select article Chapter 8 - 3D cell migration in the presence of chemical gradients using microfluidics.

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### **Microfluidics for biology | Experimental Soft Condensed**

Microfluidics meet cell biology: bridging the gap by validation and application of microscale techniques for cell biological assays Amy L. Paguirigan<sup>1,2</sup> and David J. Beebe<sup>1,3\*</sup> Summary Microscale techniques have been applied to biological assays for nearly two decades, but haven't been widely integrated as common tools in biological laboratories.

### **Microfluidics meet cell biology: bridging the gap by**

<sup>1</sup>Department of Chemistry and Chemical Biology, Harvard University, Cambridge, Massachusetts 02138, USA. The field of microfluidics has four parents: molecular analysis, biodefence, molecular biology and microelectronics. First came analysis. The distant origins of microfluidics lie in microanalytical methods

### **The origins and the future of microfluidics**

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