

The logo for SIMBa, consisting of the text "SIMBa" in a bold, black, serif font, centered on a solid orange rectangular background.

# Seminari Informal de Matemàtiques de Barcelona

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**Speaker:** Anna Jové Campabadal.  
**University:** Universitat de Barcelona.

**Date:** Wednesday, November 30th, 2022.  
**Schedule:** 13:00, *virtual coffee break*; 13:20, talk.  
**Place:** UB (FMI aula B1) and Zoom.  
**Language:** English.

**Title:** Boundary orbits in holomorphic dynamical systems

**Abstract:** In this talk, we will introduce the main objects in complex dynamics: the Fatou and the Julia sets. The Fatou set is where stable dynamics take place, whereas the dynamics in the Julia set are chaotic. Understanding the orbits in the Julia set is, in general, complicated. We will deal with this problem using boundary orbits.

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**About us:** *SIMBa* is a mathematics seminar organized by graduate students in the Barcelona area. It is aimed towards graduate and last course undergraduate students. Our goals are divulging the knowledge from different branches of mathematics for those interested and promote networking between the attendants.

This seminar is backed by the Faculty of Mathematics and Computer Science at Universitat de Barcelona, Faculty of Mathematics and Statistics at Universitat Politècnica de Catalunya, the Department of Mathematics from Univesitat Autònoma de Barcelona, CRM, IMUB and BGSMath.

Fore more information, visit at [www.ub.edu/simba/en/](http://www.ub.edu/simba/en/).

If you have any doubt or comment do not hesitate to contact us by sending an email to [seminari.simba@gmail.com](mailto:seminari.simba@gmail.com).