



**BGSMath**  
BARCELONA GRADUATE  
SCHOOL OF MATHEMATICS

# Seminari Informal de Matemàtiques de Barcelona

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**Speaker:** Miquel Saucedo.  
**University:** Centre de Recerca Matemàtica.

**Date:** Wednesday, February 14th, 2024.  
**Schedule:** 13:00, *coffee break*; 13:20, talk.  
**Place:** UAB (CRM aula petita) and Zoom.  
**Language:** English.

**Title:** Subcritical uncertainty principles for the Fourier transform

**Abstract:** In this talk I will discuss a type of “relaxed” uncertainty principle for the Fourier transform which has applications in the study of the Schrödinger equation. The main tools are polynomial approximation inequalities.

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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).