Seminari Informal
de Matemàtiques de Barcelona

Speaker: Àngel Joaniquet Tukiainen.
University: Zitro.

Date: Wednesday, December 9th, 2020.
Schedule: 12:00, *virtual coffee break*; 12:20, talk.
Place: Zoom (the link will be posted on our website).
Language: English.

Title: Relationship between victorian eugenecists and slot machine free-game - Branching Processes

Abstract: Originaly, the first branching processes where studied to ensure the survival of surnames on Victorian Era aristocrat familes. These use is actually futile as insuficient data, changing laws or simply name changes (ask Victoria's grandson, Edward) make this idealization irrelevant. Since then, branching processes have found uses beyond surnames, like studing general reporduction, or neutron counts on nuclear reactions. In this talk we will present multi-type branching proceses and how they can be used to model and control populations of germs (or how to know if a slot machine is good).

About us: *SIMBa* is a youth 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 knoweledge 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/`.

If you have any doubt or comment do not hesitate to contact us by sending an email to *seminari.simba@gmail.com*.