

Daniel Felipe Luque Duque

CV

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Personal Information

Full name Daniel Felipe Luque Duque
Nationality Colombian

Education

- 2018–Present **PhD in Applied Mathematics**, *University of Leeds*, Leeds, United Kingdom.
Human TCR repertoires, ageing, infection and tumours.
Member of the Marie Skłodowska-Curie Innovative Training Network (ITN) in Quantitative T-Cell Immunology and Immunotherapy (*QuanTII*)
- 2013–2018 **Undergraduate Degree**, *Pontificia Universidad Javeriana*, Bogotá, Colombia.
BSc in Mathematics. GPA 4.25/5.
- 2013 **International Baccalaureate Diploma**, *Gimnasio Británico*, Chia, Colombia.
Bilingual Diploma, 24 points.

Undergraduate thesis

Title Commutative Algebra and some results in Algebraic Geometry.
Supervisor Beatriz Graña Otero
Abstract We study Noetherian rings, affine algebraic varieties and important results on them, such as Hilbert's Nullstellensatz, which gives us a correspondence between algebraic sets and ideals in a ring of polynomials. We also study the concept of Krull dimension of rings and dimension of algebraic sets, and how these two concepts are related. Finally, we construct Nagata's famous example of an infinite dimensional Noetherian ring.

Experience

Short Courses

- 2016 **Genomic Medicine Short Course**, *Universidad de la Sabana*, Chia, Colombia.
Short course organised by Universidad de la Sabana and the University of Southampton

Scientific Events

- 2016 **ECCO 2016**, *Universidad Nacional Sede Medellin*, Medellin, Colombia, Attendee.
ECCO (Encuentro Colombiano de Combinatoria) is a Combinatorics encounter held every year in Colombia organized by Universidad de los Andes and San Francisco State University.
<http://ecco2016.combinatoria.co>
- 2015 **EMALCA XI**, *BUAP*, Puebla, Mexico, Attendee.
EMALCA (Escuela de Matemáticas de América latina y el Caribe) is a 2 week summer school organized by the UMALCA every year.
<http://www.fcfm.buap.mx/emalca2015/>
- 2014 **eIENA VII**, *Universidad Nacional de Córdoba*, La Falda, Argentina, Attendee.
eIENA (el Encuentro Nacional de Algebra) is the National Algebra Encounter held in La Falda, Cordoba by the Universidad Nacional de Córdoba.
<http://www.famaf.unc.edu.ar/~ciem/elena7/>

Languages

- Spanish **Native**
English **Fluent**
French **Fair**
German **Fair**

Interests

- Algebraic Geometry
Commutative Algebra
Applied Mathematics
Biomathematics
Genomic Medicine