

# Dr. Sandra Palau Calderón

IIMAS – Universidad Nacional Autónoma de México

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## General Information

<b>Name:</b>	<b>Sandra Palau Calderón</b>
<b>Appointment:</b>	<b>Associate Professor level A</b>
<b>Current Institution:</b>	<b>Universidad Nacional Autónoma de México</b> <i>Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas</i> Department of Probability and Statistics
<b>Email:</b>	<b><a href="mailto:sandra@sigma.iimas.unam.mx">sandra@sigma.iimas.unam.mx</a></b>
<b>Webpage:</b>	<b><a href="https://sigma.iimas.unam.mx/sandra/">sigma.iimas.unam.mx/sandra/</a></b>
<b>Google Scholar:</b>	<b>Sandra Palau</b>
<b>ORCID ID:</b>	<b>0000-0003-0986-6495</b>
<b>Scopus ID:</b>	<b>57192164694</b>
<b>SNI:</b>	<b>National Researcher Level I</b>
<b>Research Interests:</b>	<b>Probability theory, Stochastic processes</b> <i>Branching processes and superprocesses, random environment</i> Self-similar Markov processes, stochastic differential equations

## Education

<b>Universidad Nacional Autónoma de México (UNAM)</b> <i>B. Sc., Mathematics</i> Second best academic performance in my graduating class, 9.87 out of 10	<b>México City, México</b> 2005–2010
<b>UNAM</b> <i>M. Sc., Mathematics</i> Best academic performance in my graduating class, 10 out of 10, Qualifying exams in Analysis, Algebra and Topology with honors in Analysis	<b>México City, México</b> 2010–2012
<b>Centro de Investigación en Matemáticas (CIMAT)</b> <i>Ph. D., Probability and Statistics</i> <b>Title:</b> <i>Generalisations of continuous state branching processes</i> <b>Advisors:</b> Dr. Juan Carlos Pardo Millán and Prof. Andreas Kyprianou	<b>Guanajuato, México</b> 2012–2016

## Academic appointments

<b>Present</b> .....	
<b>Chair of the Department of Probability and Statistics</b> at IIMAS, UNAM.	<b>from 2024</b>
<b>Associate Professor level A full time</b> at IIMAS, UNAM.	<b>from 2023</b>
<b>Past</b> .....	
<b>Assistant Professor level C full time</b> at IIMAS, UNAM.	<b>2018-2023</b>
<b>Postdoctoral Researcher</b> at University of Bath, United Kingdom.	<b>2017-2018</b>

## Awards and Fellowships

<b>National System of Researchers from CONACyT</b>	<b>México</b>
<i>National Researcher Level I</i>	2024– 2028
National Researcher Level I	2021– 2023
Candidate to National Researcher	2017– 2019
<b>Royal Society</b>	<b>United Kingdom</b>
<i>Newton International Alumni</i>	2019 – 2023
Newton International Fellowship	2017 – 2018
<b>Science and Technology National Council (CONACyT)</b>	<b>México</b>
<i>Graduate Scholarship for Ph.D. Degree</i>	2012 – 2016
Graduate Scholarship for Master Degree	2010 – 2012

## Funded Projects

<b>Royal Society Te Apārangi</b>	<b>New Zealand</b>
<i>Marsden Fund</i>	2023-2026
Project: Genealogies of samples of individuals selected at random from stochastic populations: probabilistic structure and applications, NZD 713,000.	
PI: Prof. S.C. Harris. Associated Researchers: Dr. J.A. Goodman, Dr. S. Johnston, <b>Dr. S. Palau</b> y Prof. J.C. Pardo.	
<b>Royal Society: Newton International</b>	<b>United Kingdom</b>
<i>Project: Coalescent structure of branching processes, £6,000.</i>	2022-2023
Project: Oscillatory attraction and repulsion from the unit sphere for stable processes, £6,000.	2020-2022
Project: Stable processes conditioned to enter the unit ball continuously, £6,000.	2019
<b>UNAM, PAPIIT</b>	<b>México</b>
<i>Programa de Apoyo a Proyectos de Investigación e Innovación Tecnológica</i>	
Project: IN103924. Procesos de ramificación en ambiente variable, \$190,000.	2024-2025
Project: IA103220. Procesos de Ramificación multitempo, \$258,000.	2020-2021
<b>Hausdorff Research Institute for Mathematics</b>	<b>Germany</b>
<i>Hausdorff Junior Trimester Program 2022</i>	Julio, 2022
Project: Stochastic modeling in the life science: From evolution to medicine, € 3000.	

## Publications

Published and/or accepted articles in indexed journals.....

**16** Published articles in indexed journals with **131** cites; **90 type A** cites and **41 type B** cites.

16. The coalescent structure of Galton-Watson trees in varying environments. S. Harris, **S. Palau** and J. C. Pardo. Arxiv preprint: 2207.10923. To appear Annals of Applied Probability.
15. Coalescent point process of branching trees in varying environment. A. Blancas and **S. Palau**. Electron. Commun. Probab. 29, 1-15, 2024.
14. Distributional properties of jumps of multi-type CBI processes. M. Barzcy and **S. Palau**. Electron. J. Probab. 29, 1-39, 2024.
13. Rates on Yaglom's limit for Galton-Watson processes in a varying environment. N. Cardona-Tobón, A. Jaramillo and **S. Palau**. ALEA, Lat. Am. J. Probab. Math. Stat. 21, 1–23, 2024.
12. Segregational instability of multicopy plasmids: A population genetics approach. J. C. Hernandez-Beltran, V. Miró Pina, A. Siri-Jégousse, **S. Palau**, R. Peña-Miller, and A. González Casanova. Ecology and Evolution, volume 12, e9469, (2022).

11. Asymptotic behavior of projections of supercritical multi-type continuous-state and continuous-time branching processes with immigration. M. Barczy, **S. Palau**, and G. Pap. *Advances in Applied Probability*, (2021), 53(4), 1023–1060.
10. Yaglom's limit for critical Galton–Watson processes in varying environment: A probabilistic approach. N. Cardona-Tobón and **S. Palau**. *Bernoulli*, (2021), 27(3), 1643–1665.
9. Attraction to and repulsion from a subset of the unit sphere for isotropic stable Lévy processes. A. Kyprianou, **S. Palau** and T. Saizmaa. *Stochastic Processes and their Applications*, (2021), 137, 272–293.
8. Backbone Decomposition of Multitype Superprocesses. D. Fekete, **S. Palau**, J.C. Pardo and J.L. Pérez. *Journal of Theoretical Probability*, (2021), 1–30.
7. Almost sure,  $L_1$ - and  $L_2$ -growth behavior of supercritical multi-type continuous state and continuous time branching processes with immigration. M. Barczy, **S. Palau**, and G. Pap. *Sci. China Math.* (2020) October, 63 no. 10, 2089–2116.
6. Law of large numbers for supercritical superprocesses with non-local branching. **S. Palau**, and T. Yang. *Stochastic Process. Appl.* (2020), 130 no. 2, 1074–1102.
5. Almost sure growth of supercritical multi-type continuous-state branching process. A. Kyprianou, **S. Palau**, and Y-X Ren. *ALEA, Lat. Am. J. Probab. Math. Stat.* (2018), 15, 409–428.
4. Extinction properties of multi-type continuous-state branching processes. A. Kyprianou, and **S. Palau**. *Stochastic Process. Appl.* (2018), 128 no. 10, 3466–3489.
3. Branching processes in a Lévy random environment. **S. Palau**, and J.C. Pardo. *Acta Appl. Math.* (2018), 153, 55–79.
2. Continuous state branching processes in random environment: The Brownian case. **S. Palau**, and J.C. Pardo. *Stochastic Process. Appl.* (2017), 127 no. 3, 957–994.
1. Asymptotic behaviour of exponential functionals of Lévy processes with applications to random processes in random environment. **S. Palau**, J.C. Pardo, and C. Smadi. *ALEA, Lat. Am. J. Probab. Math. Stat.* (2016), 13 no. 2, 1235–1258.

#### Book chapters.....

2. Oscillatory Attraction and Repulsion from a Subset of the Unit Sphere or Hyperplane for Isotropic Stable Lévy Processes. M. Kwaśnicki, A.E. Kyprianou, **S. Palau** and T. Saizmaa. In: Chaumont, L., Kyprianou, A.E. (eds) *A Lifetime of Excursions Through Random Walks and Lévy Processes*. *Progress in Probability*, vol 78. Birkhäuser, Cham, (2021), 283–313.
1. A note on characterizing tightness of random sets of càdlàg paths. N. Freeman, and **S. Palau**. *Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore*. Vol. 38. *Genealogies of Interacting Particle Systems*, (2020), 295–313.

#### Preprints.....

2. Absorption and mixing times for the  $\Lambda$ -Wright-Fisher process. A. Blancas, A. González Casanova, S. Hummel y **S. Palau**. *Arxiv preprint: 2308*.
1. On multitype Branching Processes with Interaction. M.C. Fittipaldi and **S. Palau**. *Arxiv preprint: 2203.09701*.

## Teaching activities and students

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### Courses.....

<b>UNAM, Graduate Program</b> <i>2023-II, 2021-II</i>	<b>Stochastic Processes</b>
<b>UNAM, Graduate Program</b> <i>2021-I</i>	<b>Stochastic Calculus</b>
<b>UNAM, Graduate Program</b> <i>2023-I, 2022-I</i>	<b>Temas Selectos de Probabilidad</b>
<b>UNAM, Bachelor Program</b> <i>2024-II, 2021-I, 2020-II</i>	<b>Stochastic Processes II</b>
<b>UNAM, Bachelor Program</b> <i>2024-I, 2023-I, 2020-I</i>	<b>Stochastic Processes I</b>
<b>UNAM, Bachelor Program</b> <i>2022-II, 2019-II</i>	<b>Probability II</b>
<b>UNAM, Bachelor Program</b> <i>2022-I</i>	<b>Probability I</b>
<b>CIMAT, Graduate Program</b> <i>2015-I, 2013-I</i>	<b>Assistant of Stochastic Calculus</b>
<b>CIMAT, Graduate Program</b> <i>July 2014, July 2013</i>	<b>Assistant Workshop Calculus Problems</b>
<b>CIMAT, Graduate Program</b> <i>2012-II</i>	<b>Assistant Advanced Probability</b>
<b>UNAM, Bachelor Program</b> <i>2011-II</i>	<b>Topology I</b>
<b>UNAM, Bachelor Program</b> <i>2011-II, 2009-II</i>	<b>Cálculo II</b>
<b>UNAM, Bachelor Program</b> <i>2011-I</i>	<b>Assistant Calculus I</b>
<b>UNAM, Bachelor Program</b> <i>2010-II</i>	<b>Assistant Calculus IV</b>
<b>UNAM, Bachelor Program</b> <i>2010-I</i>	<b>Assistant Calculus III</b>

### Undergraduate supervision.....

<b>Iván Irving Rosas Domínguez</b> <i>Bachelor in Mathematics</i> Title: <i>Una aplicación de los procesos estocásticos a un problema de fisiología celular</i> Supervisor: <b>Dr. Sandra Palau</b>	<b>UNAM, México</b> <i>February 2023</i>
<b>Enrique Moctezuma</b> <i>Bachelor in Applied Mathematics</i> Title: <i>Simulación de procesos coalescentes</i> Supervisor: <b>Dr. Sandra Palau</b>	<b>UNAM, México</b> <i>September 2022</i>

### PhD supervision.....

<b>Natalia Cardona Tobón</b> <i>Ph.D. in Sciences, Probability and Statistics</i>	<b>CIMAT, México</b> <i>February 2022</i>
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Title: *Contributions to branching structures in random environments*

Supervisors: Dr. Marcel Ortgiese, **Dr. Sandra Palau** and Dr. Juan Carlos Pardo Millán.

**Tsozolmaa Saizmaa**

*Ph. D. in Sciences*

**University of Bath, United Kingdom**

*August 2021*

Title: *Conditioned Stable Lévy Processes*

Supervisors: Prof. Andreas Kyprianou and **Dr. Sandra Palau**

### Master Science Tutor.....

**2024-2026:** Ana Sarai Dávila Martínez, UNAM.

**2023-2025:** Alberto Rosales Pérez, UNAM.

**2021-2023:** Ricardo López Flores, UNAM.

**2020-2022:** Juan Pablo Chávez Ochoa, UNAM.

**2020-2022:** Martín Caballero Vázquez, UNAM.

### Social work activities supervision.....

**2023-I/2023-II:** Diego Zuñiga Islas

**2021-I/2021-II:** Enrique Moctezuma González

**2020-I/2020-II:** Arelly Landín

### PhD exams committee.....

**2024:** Alejandro Santoyo Cano, Ph.D in Mathematical Sciences, UNAM.

**2023:** Miriam Ramírez García, Ph.D in Mathematical Sciences, UNAM.

**2022:** Natalia Cardona Tobón, Ph.D in Probability and Statistics, CIMAT.

**2019:** Osvaldo Angtuncio Hernández, Ph.D in Mathematical Sciences, UNAM.

### Doctoral candidate exams committee.....

Mid-Program exam to be able to continue with the doctoral Program. **2022:** Marco Antonio López Ortiz, Ph. D. Mathematical Sciences, UNAM.

**2020:** Alejandro Santoyo Cano, Ph. D. Mathematical Sciences, UNAM.

**2019:** Natalia Cardona Tobón, Ph.D in Probability and Statistics, CIMAT.

### Master exams committee.....

**2022:** Daniela Portillo del Valle, Master in Mathematical Sciences, UNAM.

**2022:** Fernanda López Eslava, Master in Mathematical Sciences, UNAM.

**2021:** José Antonio Rosas Aguirre, Master in Sciences with orientation in Probability and Statistics, CIMAT.

**2021:** Fidencio Galicia Rodríguez, Master in Mathematical Sciences, UNAM.

**2020:** Carlos Nathanael Chavez Saab, Master in Mathematical Sciences, UNAM.

**2019:** Salvador César Esquivel Calzada, Master in Mathematical Sciences, UNAM.

**2019:** Alejandro Rosales Ortíz, Master in Mathematical Sciences, UNAM.

### Undergraduate exams committee.....

**2024:** Alberto Sebastián Chávez Cano, Bachelor in Actuarial Sciences, UNAM.

**2023:** Nancy Carolina Aburto Hernández, Bachelor in Actuarial Sciences, UNAM.

**2023:** Paola Nadine Mejía Cerda, Bachelor in Actuarial Sciences, UNAM.

**2023:** Hugo Guadalupe Reyna Castañeda, Bachelor in Actuarial Sciences, UNAM.

**2023:** Paola Nadine Mejía Cerda, Bachelor in Actuarial Sciences, UNAM.

**2023:** Luis Fernando Loredó Olvera, Bachelor in Actuarial Sciences, UNAM.

- 2023:** Iván Irving Rosas Rodríguez, Bachelor in Mathematics, UNAM.
- 2022:** José Alberto Chacón Martínez, Bachelor in Mathematics, UNAM.
- 2022:** Enrique Moctezuma González, Bachelor in Applied Mathematics, UNAM.
- 2022:** Nestor Alexis Peña Montes, Bachelor in Mathematics, UNAM.
- 2022:** Ramón Poo Ramos, Bachelor in Mathematics, UNAM.
- 2022:** Fernanda López Eslava, Bachelor in Mathematics, UNAM.
- 2021:** Julio Ernesto Nava Trejo, Bachelor in Applied Mathematics, UNAM.
- 2020:** Salvador De Jesús Hernández, Bachelor in Physics, UNAM.
- 2020:** Edmundo Pacheco Blas, Bachelor in Mathematics, UNAM.
- 2019:** Luis Enrique Ignacio Gómez Ordoñez, Bachelor in Actuarial Sciences, UNAM.
- 2016:** Oscar Ramses Cecilio Ayala, Bachelor in Mathematics, University of Guanajuato.

## Talks in Conferences and Seminars

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### Plenary talks.....

- 2024:** Segunda Escuela Conjunta de Dinámica, Combinatoria y Probabilidad, San Luis Potosi, México
- 2024:** VI Encuentro Conjunto Real Sociedad Matemática Española y de la Sociedad Matemática Mexicana, Valencia, España
- 2022:** Noche de Museos. Museo UNAM Hoy. Aplicaciones de las matemáticas a la vida real, México
- 2021:** Bernoulli-IMS One World Probability Seminar. Virtual
- 2020:** XXII Simposio Internacional de Métodos Matemáticos Aplicados a las Ciencias. San José, Costa Rica
- 2019:** XII Foro de Matemáticas del Sureste. Tabasco, México
- 2019:** 52 National Congress of the Mexican Mathematical Society. Monterrey, México

### Invited talks at national and international events.....

- 2024:** Jornadas de Probabilidad Aplicada, Estadística y Ciencia de Datos. CDMX, México
- 2023:** Branching Processes and Applications. Angers, France
- 2023:** XXI Bath-UNAM-CIMAT Probability meeting, Guanajuato, México.
- 2022:** Auckland Probability Workshop on Branching and Coalescent Processes. Auckland, New Zealand
- 2022:** Segundo Fin de Semana de Probabilidad en Cuernavaca, México
- 2022:** Meeting on Statistics and Applied Probability. Minho University, Portugal
- 2022:** X School in Probability and Stochastic Processes, CDMX, México
- 2022:** 10th International Conference on Lévy Processes, Mannheim, Germany
- 2022:** XX School in Probability and Statistics, CIMAT, Guanajuato, México
- 2022:** Population Genetics, Interacting Particle Systems and Stochastic Flows: a duality perspective. Universidad de Bonn, Germany
- 2022:** XXXII Semana Nacional de Investigación y Docencia en Matemáticas. Sonora, México
- 2022:** Fin de Semana de Probabilidad en Cuernavaca, México
- 2021:** The 5th International Workshop on Branching Processes and their Applications. Badajoz, España
- 2021:** V Encuentro Conjunto de la Sociedad Matemática Mexicana (SMM) y la Real Sociedad Matemática Española (RSME). Virtual
- 2021:** VI Bath-Beijing-Paris branching structure meeting. Bath, United Kingdom, Virtual
- 2020:** Virtual National Congress of the Mexican Mathematical Society 2020. Virtual

- 2020:** 13th International Conference of the ERCIM WG on Computational and Methodological Statistics. Virtual
- 2019:** The 5th Workshop on Branching Processes and Related Topics. Beijing, China
- 2019:** 9th International Conference on Lévy processes. Samos, Greece
- 2019:** Mexicanas del futuro. UNAM, México
- 2019:** BUC-Chile Probability meeting. Playa del Carmen, México
- 2019:** XV Latin American Congress of Probability and Mathematical Statistics. Mérida, México
- 2018:** UK Easter Probability Meeting 2018. Sheffield, United Kingdom
- 2018:** Branching Structure: The fifth Bath-Beijing-Paris Meeting. Beijing, China
- 2017:** 3<sup>rd</sup> Workshop on Branching Processes and Related Topics. Beijing Normal University, China
- 2017:** 39<sup>th</sup> Conference on Stochastic Processes and their Applications. Moscow, Russia.
- 2017:** Genealogies of Interacting Particle Systems. National University of Singapore, Singapore
- 2017:** Branching processes and related topics. Bath-UNAM-CIMAT workshop IX. Guanajuato, México
- 2016:** Stochastic and Deterministic Models for Evolutionary Biology. CMO, Oaxaca, México
- 2015:** Probabilistic Models in Biology. Playa del Carmen, México
- 2015:** XII Simposio de Probabilidad y Procesos estocásticos. Merida, México

#### Seminars.....

- 2024:** Probability and Statistics Seminar, University of Auckland, New Zealand
- 2024:** X Seminario de Matemáticas Aplicadas, Universidad Autónoma de Aguascalientes, México
- 2023:** Mathematics and Applications Seminar, University of Sussex, United Kingdom
- 2023:** Probability Seminar, Mathematics Institute of the Federal University of Rio Janeiro, Brazil
- 2023:** Mexico Japan Probability Seminar, Virtual
- 2023:** Seminario de Probabilidad y Estadística, Universidad Juárez Autónoma de Tabasco, México
- 2023:** Seminario de Probabilidad, CIMAT, Guanajuato, México
- 2022:** Seminario Aleatorio, ITAM, México
- 2021:** Séminaire de Probabilités commun ICJ/UMPA, Lyon, France
- 2021:** Webinario de Probabilidad y Estadística, Universidad Autónoma de Yucatán, México
- 2021:** Seminario de Invierno de la investigación, IIMAS, México
- 2020:** Coloquio del Centro de Ciencias Matemáticas en Morelia, México
- 2020:** Probability Seminar del University Collage London, United Kingdom (virtual)
- 2020:** Probability Seminar Essen, Germany (virtual)
- 2019:** Seminario de Sistemas Estocásticos del Cinvestav. México, México
- 2019:** Coloquio Oaxaqueño del Instituto de Matemáticas de la UNAM. Oaxaca, México
- 2019:** Coloquio del departamento del CUCEI, de la Universidad de Guadalajara
- 2018:** Probability Seminar, University of Szeged. Szeged, Hungary
- 2017:** Probability Seminar, Peking University, Beijing, China
- 2015:** Seminario de Probabilidad y Procesos estocásticos, UNAM, México
- 2014:** Seminario Interinstitucional de Matrices aleatorias, CIMAT, México

#### Contributed talks.....

- 2020:** Bernoulli-IMS One World Symposium 2020. (Virtual)
- 2016:** World congress in probability and Statistics. Toronto, Canada



**2016:** Summer School on Lévy Processes. Lille, France

**2015:** 38<sup>th</sup> Conference on Stochastic Processes and their Applications. University of Oxford, United Kingdom

**2014:** XIII Latin American Congress of Probability and Mathematical Statistics. Cartagena, Colombia

### Popular mathematics.....

**2023:** Ask to a scientist., Pabellón de la Biodiversidad, UNAM, *event to encourage girls and young people to acquire a Sciences-Technology-Engineering-Math (STEM) career*

**2023:** *Interview:* Conociendo a las mujeres matemáticas de México. YouTube Chanel MathPures

**2020:** *Video:* Matemáticas por un mundo mejor, Sociedad Matemática Mexicana

**2020:** Girls in STEM *event to encourage girls and young people to acquire a STEM career*

### Workshops.....

**2022:** Workshop en Stochastic modeling in the life science: From evolution to medicine, University of Bonn, Germany

**2018 June:** 8<sup>o</sup> SAMBa ITT. University of Bath, United Kingdom. Problem: Modelling the spread of MRSA.

**2018 January:** 7<sup>o</sup> SAMBa ITT. University of Bath, United Kingdom. Problem: Modeling flow of polluted water through porous medium.

**2017 June:** 6<sup>o</sup> SAMBa ITT. University of Bath, United Kingdom. Problem: Modeling of bubble size distribution by a fragmentation-coagulation process.

**2017 January:** 5<sup>o</sup> SAMBa ITT. University of Bath, United Kingdom. Problem: Modelling a granular flow in a rotating drum.

**2015 June:** 2<sup>o</sup> SAMBa Integrative Think Tank (ITT). University of Bath, United Kingdom. Problem: Stochastic analysis of the neutron transport equation and an application to nuclear reaction.

### Conference assistance.....

**2019:** Summer School of the 9<sup>th</sup> International Conference on Lévy Processes. Athens, Greece

**2017:** Multi-Scale Features of Selection in Population Genetics. Eindhoven, Netherlands

**2016:** 8<sup>th</sup> International Conference on Lévy Processes. Angers, France

**2015:** Zürich Spring School on Lévy Processes. Zurich, Swiss

**2015:** Probability and Biological Evolution. CIRM, Marseilles, France

**2014:** 3<sup>th</sup> Reunión de la Real Sociedad Matemática Española y la Sociedad Matemática Mexicana. Zacatecas, México

**2013:** 2<sup>nd</sup> Workshop on Risk Analysis in Economics and Finance, CIMAT, México

**2013:** VII School in Probability and Stochastic Processes, UNAM, México

**2012:** Escuela de Matrices Aleatorias, CIMAT, México

## Service and participation in committees

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### Participation in academic committees at UNAM.....

**2022 - 2024:** Representative of the tutors in the Academic Committee of the Master and Doctoral studies in Mathematics and Applied Statistics Diploma,

**2022 - 2023:** Member of the IIMAS Evaluation Criteria Commission

**2022:** Reviewer of a PAPIME educative Program



## Organization of academic events.....

- X School in Probability and Stochastic Processes. CDMX, August 2022. Scientific and local committee
- Probability Seminar for Graduate Students. August 2021 - December 2022.
- Probability Seminar in Spanish. virtual 2020 - 2021.
- Segundo Integrative Think Tank on Environmental shock resilience, in México; data, models and policy. May 2021, virtual.

## Editorial Services.....

**34 referees** for publications

- Electronic Communications in Probability (2)
- Electronic Journal of Probability (3)
- ESAIM: Probability and Statistics (1)
- Statistics and Probability Letters (3)
- Science China Mathematics (1)
- Stochastics: An International Journal Of Probability And Stochastic Processes (2)
- Stochastic Processes and their Applications (10)
- Methodology and Computing in Applied Probability (1)
- XIII Symposium on Probability and Stochastic Processes (1)
- Applied Probability Journal (4)
- Stochastic Models (2)
- Proceedings of the Steklov Mathematical Institute (1)
- Mathematics in action (1)
- Annales de l'Institut Henri Poincaré (2)

## Academic visits.....

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|---|---|
| <b>Dr. Samuel Johnston</b><br><i>Project: Self-similar fragmentation</i>  | <b>King's College London, United Kingdom</b><br><i>June, 2023</i>       |
| <b>Dr. Simon Harris</b><br><i>Project: Genealogical structure of branching processes</i>  | <b>University of Auckland, New Zealand</b><br><i>November, 2022</i>     |
| <b>Prof. Andreas Kyprianou and M. Tsozolmaa Saizmaa</b><br><i>Project: Stable processes conditioned to enter the unit ball continuously</i> | <b>University of Bath, United Kingdom</b><br><i>July, 2019</i>          |
| <b>Prof. Yanxia Ren and Dra. Ting Yang</b><br><i>Project: Yaglom distribution of a multitype CB-process</i>                                 | <b>Peking University, China</b><br><i>June, 2019</i>                    |
| <b>Dr. Matyas Barczy and Dr. Gyula Pap</b><br><i>Project: Multi-type continuous state branching process</i>                                 | <b>University of Szeged, Hungary</b><br><i>May and March, 2018</i>      |
| <b>Dr. Charline Smadi</b><br><i>Project: Wright-Fisher diffusion in random environment</i>  | <b>IRSTEA, France</b><br><i>April, 2018</i>                             |
| <b>Dr. Nic Freeman</b><br><i>Project: Lévy webs</i>   | <b>University of Sheffield, United Kingdom</b><br><i>November, 2017</i> |
| <b>Prof. Yanxia Ren</b><br><i>Project: Yaglom Theorem for critical multi-type continuous state branching process</i>                        | <b>Peking University, China</b><br><i>October, 2017</i>                 |
| <b>Prof. Zenghu Li</b><br><i>Project: Branching processes in random environment</i>   | <b>Beijing Normal University, China</b><br><i>May, 2017</i>             |
| <b>Prof. Anita Winter</b><br><i>Project: Evolving phylogeny of two-level mutation-selection systems</i>                                     | <b>University Essen, Germany</b><br><i>January, 2017</i>                |
| <b>Prof. Yanxia Ren</b><br><i>Project: Strong law of large number for multi-type continuous state branching process</i>                     | <b>Peking University, China</b><br><i>November, 2016</i>                |

