

ALEXANDRE BELIN

Born September 29th 1986 in Geneva, Switzerland

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PRESENT POSITION: Assistant Professor - University of Milano Bicocca

PREVIOUS RESEARCH POSITIONS

- Visiting Professor at EPFL, 2022-2023+2024
 - Postdoctoral Fellow at the University of Geneva, 2022
 - Postdoctoral Fellow at CERN, 2019-2022
 - Postdoctoral Fellow at the Institute of Physics, University of Amsterdam 2016-2019
 - Postdoctoral Fellow at Stanford University (April-December 2015)
 - Visiting Research Scholar at Harvard University (September-December 2013)
 - Researcher in medical physics, cardiac MRI for small animals and humans, Geneva University Hospital (Swiss Civil Service July-December 2011)
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EDUCATION

PHD
2015

McGill University, Montreal, Canada. Thesis supervised by Alexander Maloney.

MASTER in theoretical physics
2011

Université de Genève, Geneva, Switzerland. Thesis supervised by Marcos Marino.

BACHELOR in physics

2009

Université de Genève, Geneva, Switzerland.

MATURITE with Birkigt Prize of physics and math

2005

Collège de Saussure, Geneva, Switzerland.

RESEARCH GRANTS AND FELLOWSHIPS

- VENI Grant by The Netherlands Organisation for Scientific Research (NWO) [250'000 EU] *2017*
- EarlyPostDoc.Mobility by the Swiss National Science Foundation [72'500 USD] *2015*
- Doc.Mobility by the Swiss National Science Foundation [70'000 CHF] *2014*
- Schulich Award by McGill graduate studies [25'000 CAD] *2013*
- David Stewart Memorial Fellowship by McGill graduate studies [10'000 CAD] *2012*

TOTAL AWARDED FUNDS: 400'000 EU

REVIEWING AND EDITING ACTIVITY

- Journal of High Energy Physics *2014-present*
- Physical Review Letters *2018-present*
- Physical Review D *2018-present*
- European Physical Journal C *2018-present*
- SciPost *2019-present*
- Mathematical Reviews *2019-present*
- Entropy *2020-present*
- Physical Review Research *2020-present*

- Nuclear Physics, Section B *2020-present*
 - Classical and Quantum Gravity, *2020-present*
 - Guest Editor in Classical and Quantum Gravity for the special issue “Reproducing the Page Curve in Black Hole Evaporation”, *2020-present*
 - Referee for research grants of the Icelandic Research Fund *2021-present*
 - Referee for research grants of the Austrian Science Fund *2023-present*
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MEMBER OF PHD DEFENSE COMMITTEE

- Eva Llabres, University of Amsterdam, *2018*
 - Suzanne Bintanja, University of Amsterdam, *2024*
 - Gabriele di Ubaldo, IPhT Saclay, *2024*
 - Diego Liska, University of Amsterdam, *2024*
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STUDENT SUPERVISION

- Eloy de Jong, Master thesis (cosupervised with Alejandra Castro), University of Amsterdam, *2018-2019*
 - Christian Rupani, Master thesis, University of Milano-Bicocca, *2023-2024*
 - Florian Seefeld, Master thesis (cosupervised with Joshua Kames-King), EPFL, *2024*
 - Mattia Isgro, Gioele Cadamuro, Bachelor thesis, University of Milano-Bicocca, *2024*
 - Alice de Vito, Federico La Rocca, Rita Vadala, Master thesis, University of Milano-Bicocca, *2025*
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TEACHING EXPERIENCE

Academic Courses:

- *String Theory Extension: Introduction to AdS/CFT*, University of Amsterdam, *2018 and 2019* – Main Lecturer

- *Advanced Quantum Field Theory*, University of Amsterdam, 2017 and 2018 – Replacement of the Main Lecturer (Diego Hofman) for several lectures
- *Quantum Gravity*, University of Milano-Bicocca, 2023-2025 – Main Lecturer
- *Quantum Chaos and Black Holes*, EPFL 2023 – PhD Class, Main Lecturer
- *Quantum Chaos and Black Holes*, University of Milano-Bicocca 2024 – PhD Class, Main Lecturer

Schools:

- *Modular Invariance, Cardy Formula and 3d gravity*, Solvay Doctoral School, Amsterdam, 2017

CONFERENCE/WORKSHOP ORGANIZATION

- Workshop on Black Holes, Holography and de Sitter spacetime, January 2025, Milano, Italy. Co-organizer.
- Workshop on Quantum Chaos, October 2024. Bernoulli Center, EPFL, Switzerland. Main Organizer, amongst four organizers.
- Qubits on the Horizon 2, Oranjestad, Aruba, April 2022. Main Organizer for the workshop. Organization committee: Alexandre Belin, Horacio Casini, Jan de Boer, Rob Myers.
- Advances in Quantum Gravity, SwissMap Research Center, Les Diablerets, Switzerland, May 2021.
- Island hopping 2020: from wormholes to averages, **International Conference with 700+ participants** hosted at CERN, November 16-20 2020. Coorganized with Netta Engelhardt and Rob Myers.
- Quantum Information in Quantum Gravity 6, CERN, Geneva, Switzerland, May 2020. *Postponed due to COVID-19 pandemic.*
- Aruba Workshop: *Qubits on the Horizon*, Oranjestad, Aruba, January 2019. Main organizer for an International workshop cofunded by my VENI fellowship and two collaborations (It from Qubit and Scanning New Horizons).

Organization committee: Alexandre Belin, Jan de Boer, Rob Myers, Charles Rabideau and Burak Sahinoglu.

- Delta-ITP Entanglement Workshop, Amsterdam, Netherlands, December 2016. Coorganized with Nabil Iqbal and Juan Pedraza.
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PROFESSIONAL SERVICE

- GenHET statistics team, *2024-present*
 - Organization of the CERN String Seminars and virtual Seminars *Sept 2019 – Dec 2021*
 - Organization of the CERN String Journal Club *Sept 2019 – Sept 2020*
 - Organization of the IoP String Group Journal Club *Sept 2016-Sept 2017 + Sept 2018-Dec 2018*
 - McGill Mentoring Program (Participation in the McGill mentoring program for undergraduate students). *2014-2015*
 - Organization of the McGill High Energy journal clubs *2014-2015*
 - Organization of the McGill graduate seminars *2013-2014*
 - Organization of the McGill graduate string seminars *2013*
 - Volunteer for MEDLIFE McGill (Giving Physics tutorial to raise money for a non-profit). *2012-2014*
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INVITED TALKS

Seminar (S), workshop/conference (W) or colloquium (C)

2025 (4) Trieste, Italy (S), Les Diablerets, Switzerland (W), Southampton, UK (S), ETH, Switzerland (S)

2024 (9) Porto, Portugal (W), Amsterdam, Netherlands (S), Naples, Italy (S), McGill, Canada (S), Cambridge, UK (S), Institut Pascal, France (W), Amsterdam, Netherlands (W), Belgrade, Serbia (W), Naples, Italy (W)

2023 (14) KITP Santa Barbara, USA (W), SwissMAP Center, Switzerland (W), Himalaya Journal Club, Nepal (S), Kings College, UK (S), Porto University, Portugal (S), Oxford, UK (W), MITP Mainz, Germany (W), Leuven, Belgium (S), ULB, Belgium (S), APCTP, Korea (W), Torino, Italy (S), Padova, Italy (S), Institut Poincaré, France (S), Florence, Italy (S)

2022 (21) Perimeter Institute, Canada (S), IIT Madras, India (S), Southeast University, China (S), University of Vienna (W), Beijing, China (W), Kings College London, UK (W), CERN, Switzerland (S), ENS Lyon, France (W), CEICO Prague, Czech Republic (S), OIST Okinawa, Japan (S), SCGP Stonybrook, USA (S), Kentucky, USA (S), UT Austin, USA (S), DITP Seminars, Amsterdam, Netherlands (S), LAPTh Annecy, France (S), KITP, USA (S), Milan, Italy (S), TIFR, India (S), Durham, UK (S), Durham, UK (S), SwissMAP Center, Switzerland (W)

2021 (18) McGill, Canada (S), ICTS, India (S), Banff Research Station, Canada (W), Institut Henri Poincaré Paris, France (S), Cornell University, USA (S), Ascona Conference Center, Switzerland (W), Prague University, Czech Republic (W), IIT Madras, India (S), Crete, Greece (W), UNIGE, Switzerland (W), UNIGE Switzerland (W), MPI Munich, Germany (W), Purdue, USA (S), Princeton, USA (S), Barcelona, Spain (S), MPI Potsdam, Germany (S), Urbana-Champaign, USA (S), Dublin, Ireland (C)

2020 (15) BIMS Beijing, China (S), YITP Kyoto, Japan (S), MPI Potsdam, Germany (S), Padova, Italy (W), Geneva, Switzerland (S), MIT, USA (S), UC Santa Barbara, USA (S), UCT, South Africa (W), Weizmann, Israel (S), Fudan, China (S), LAPTh Annecy, France (S), Southampton, UK (S), UBC Vancouver, Canada (S), Stanford, USA (S), KITP Santa Barbara, USA (W)

2019 (13) ETH Zurich, Switzerland (C), Leuven, Belgium (S), ICTP Trieste, Italy (S), LAPTh Annecy, France (S), Utrecht, Netherlands (S), Imperial, UK (S), EPFL Lausanne, Switzerland (S), Geneva, Switzerland (C), YITP Kyoto, Japan (W), CEA Saclay, France (S), Durham, UK (C), Uppsala, Sweden (S), NBI Copenhagen, Denmark (S),

2018 (7) YMSC Beijing China – 2 seminars (S), Instituto Superior Tecnico Lisbon, Portugal (S), Caltech, USA (S), UCLA, USA (S), MPI Potsdam, Germany (W), GGI Florence, Italy (W),

2017 (10) KU Leuven, Belgium (S), VUB Brussels, Belgium (S), Nordita Institute, Sweden (S), Geneva, Switzerland (S), GGI Florence, Italy (W), Queen Mary London, UK (S), Stanford, USA (S), UCSB Santa Barbara, USA (S), McGill, Canada (S), CEA Saclay, France (S).

2016 (5) ETH Zurich, Switzerland (S), Leiden, Netherlands (S), YITP Kyoto, Japan (W), CERN, Switzerland (S), Veldhoven, Netherlands (W)

2015 (4) KITP Santa Barbara, USA (S), CRM Montreal, Canada (W), Benasque, Spain (W), UCLA, USA (S)

2014 (3) UBC Vancouver, Canada (W), Strings Princeton, USA (W), CERN, Switzerland (S)

TOTAL: 123 invited talks

Details for the conferences/workshops:

- Workshop on Statistical Mechanics, Algebra and Geometry 2025, SwissMAP research station, Les Diablerets, Switzerland
- Theories of the Fundamental Interactions 2024, Naples, Italy
- Black Holes and Chaos 2024, Belgrade, Serbia
- Speakable and Unspeakable in Quantum Gravity 2024, Paris, France
- Iberian Strings 2024, Porto, Portugal
- Integrability, duality and related topics 2023, APCPT, Korea
- Exact Results and Holographic Correspondence 2023, MITP, Germany
- Gravity from Chaos 2023, Oxford University, UK
- Gravity from Algebra 2023, KITP, USA
- New connections: chaos, field theory and quantum gravity 2023, Les Diablerets, Switzerland
- **Strings 2022, Vienna, Austria**
- GR22, Beijing, China
- Crossing Horizons 2022, London, UK
- Eurostrings 2022, Lyon, France
- Coadjoint Orbits and Black Holes 2022, Les Diablerets, Switzerland
- Gravitational Emergence in AdS/CFT 2021, Banff, Canada
- Strings, Fields and Holograms 2021, Ascona, Switzerland
- All Lambda Holography 2021, Prague, Czech Republic
- Physics Sessions Initiative 2021, Agia Pelagia, Greece
- **International Congress on Mathematical Physics 2021 – Main Conference, Geneva, Switzerland**
- International Congress on Mathematical Physics – Young Researcher Symposium 2021, Geneva, Switzerland
- Online Workshop on Quantum Gravity, Holography and Quantum Information 2021, Munich, Germany
- Great Lessons from Exact techniques and Beyond 2020, Padova, Italy
- **Strings 2020, University of Cape Town, South Africa**
- Gravitational Holography 2020, KITP Santa Barbara, USA
- Quantum Information and String Theory 2019, YITP Kyoto, Japan
- Workshop on AQFT, Modular Techniques, and Rényi Entropy 2018, Potsdam, Germany

- Quantum Information in Quantum gravity 2018, GGI Florence, Italy
 - New Developments in AdS3/CFT2 2017, GGI Florence, Italy
 - Quantum Information and String Theory 2016, YITP Kyoto, Japan
 - Physics@Veldhoven 2016, Veldhoven, Netherlands
 - New Perspective from Strings and Higher Dimensions 2015, Benasque, Spain
 - AdS/CFT and Quantum Gravity 2015, CRM Montreal, Canada
 - Quantum Information in Quantum gravity 2014, UBC Vancouver, Canada
 - Strings 2014 - Gong Show, Princeton, USA
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LIST OF PUBLICATIONS

Publications in High Energy Physics

- [1] **A. Belin**, S. Bintanja, A. Castro, W. Knop, “Symmetric Product Orbifold Universality and the Mirage of an Emergent Spacetime,” arXiv:2502.01734 [hep-th].
- [2] L. Apolo, **A. Belin**, and S. Bintanja, “Searching for strongly coupled AdS matter with multi-trace deformations,” arXiv:2401.15141 [hep-th].
- [3] **A. Belin**, J. de Boer, D. L. Jafferis, P. Nayak, and J. Sonner, “Approximate CFTs and random tensor models,” JHEP **09** (2024) 163, arXiv:2308.03829 [hep-th].
- [4] E. Bahiru, A. Belin, K. Papadodimas, G. Sarosi, and N. Vardian, “Holography and localization of information in quantum gravity,” JHEP **05** (2024) 261, arXiv:2301.08753 [hep-th].
- [5] L. Apolo, **A. Belin**, S. Bintanja, A. Castro, and C. A. Keller, “Conformal field theories dual to quantum gravity with strongly coupled matter,” Phys. Rev. D **108** no. 6, (2023) L061901, arXiv:2212.07436 [hep-th].
- [6] **A. Belin**, R. C. Myers, S.-M. Ruan, G. Sa’rosi, and A. J. Speranza, “Complexity equals anything II,” JHEP **01** (2023) 154, arXiv:2210.09647 [hep-th].
- [7] E. Bahiru, **A. Belin**, K. Papadodimas, G. Sarosi, and N. Vardian, “State-dressed local operators in the AdS/CFT correspondence,” Phys. Rev. D **108** no. 8, (2023) 086035, arXiv:2209.06845 [hep-th].
- [8] L. Apolo, **A. Belin**, S. Bintanja, A. Castro, C. Keller, “Deforming Symmetric Product Orbifolds: A tale of moduli and higher spin currents”, JHEP – **08** 159 (2022), [arxiv: 2204.07590 [hep-th]]

- [9] T. Anous, **A. Belin**, J. de Boer, D. Liska “OPE statistics from higher-point crossing”, JHEP – **06** 102 (2022) [arxiv: 2112.09143 [hep-th]]
- [10] **A. Belin**, J. de Boer, P. Nayak, J. Sonner “Generalized Spectral Form Factors and the Statistics of Heavy Operators”, [arxiv: 2111.06373 [hep-th]]
- [11] **A. Belin**, R.C. Myers, S.-M. Ruan, G. Sarosi, A. J. Speranza “Does Complexity Equal Anything?”, Phys. Rev. Lett. **128**. 081602 (2022) [arxiv: 2111.02429 [hep-th]]
- [12] **A. Belin**, J. de Boer, D. Liska “Non-Gaussianities in the Statistical Distribution of Heavy OPE Coefficients and Wormholes”, JHEP – **06** 116 (2022) [arxiv: 2110.14649 [hep-th]]
- [13] **A. Belin**, S. Biswas, J. Sully “The Spectrum of Boundary States in Symmetric Orbifolds”, JHEP – **01** 123 (2022) [arxiv: 2110.05491 [hep-th]]
- [14] **A. Belin**, S. Colin-Ellerin “Bootstrapping Quantum Extremal Surfaces I: The Area Operator”, JHEP – **11** 021 (2021) [arxiv: 2107.07516 [hep-th]]
- [15] **A. Belin**, J. de Boer, P. Nayak, J. Sonner “Charged Eigenstate Thermalization, Euclidean Wormholes, and Global Symmetries in Quantum Gravity”, SciPost Phys. **12** 059 (2022) [arxiv: 2012.07875 [hep-th]]
- [16] **A. Belin**, D. M. Hofman, G. Mathys, Matthew T. Walters “On the Stress Tensor Light-ray Operator Algebra”, JHEP – **05** 033 (2021) [arxiv: 2011.13862 [hep-th]]
- [17] **A. Belin**, B. Withers “From sources to initial data and back again: on bulk singularities in Euclidean AdS/CFT”, JHEP **12** 185 (2020) [arxiv: 2007.10344 [hep-th]]
- [18] **A. Belin**, J. de Boer “Random Statistics of OPE Coefficients and Euclidean Wormholes”, Class. Quant. Grav. **38** no. 16, 164001 (2021) [arxiv: 2006.05499 [hep-th]]
- [19] **A. Belin**, A. Lewkowycz, G. Sarosi “Gravitational path integral from the T^2 deformation”, JHEP **09** 156 (2020) [arxiv: 2006.01835 [hep-th]]
- [20] **A. Belin**, N. Benjamin, A. Castro, S. Harrison, C. Keller, “ $N=2$ Minimal Models: A Holographic Needle in a Symmetric Orbifold Haystack”, JHEP **01** 111 (2020), SciPost Phys. **8** 084 (2020), [arxiv: 2002.07819 [hep-th]]
- [21] **A. Belin**, N. Iqbal, J. Kruthoff, “Bulk entanglement entropy for photons and gravitons in AdS_3 ”, SciPost Phys. **8** 075 (2020) [arxiv: 1912.00024 [hep-th]]

- [22] **A. Belin**, A. Castro, C. Keller, B. Mülhmann, “The Holographic Landscape of Symmetric Product Orbifolds”, JHEP **01** 111 (2020) [arxiv: 1910.05342 [hep-th]]
- [23] **A. Belin**, A. Castro, C. Keller, B. Mülhmann, “Siegel Paramodular Forms from Exponential Lifts: Slow versus Fast Growth”, [arxiv: 1910.05353 [hep-th]]
- [24] **A. Belin**, D. M. Hofman, G. Mathys “Einstein gravity from ANEC correlators”, JHEP **08** 032 (2019) [arxiv: 1811.03097 [hep-th]]
- [25] **A. Belin**, A. Lewkowycz, G. Sarosi “Complexity and the bulk volume, a new York time story”, JHEP **03** 044 (2019) [arxiv: 1811.03097 [hep-th]]
- [26] **A. Belin**, A. Lewkowycz, G. Sarosi “The boundary dual of the bulk symplectic form”, Phys. Lett. **B789** 71-75 (2019) [arxiv: 1806.10144 [hep-th]]
- [27] **A. Belin**, A. Castro, J. Gomes, C. Keller, “Siegel paramodular forms and sparseness in $\text{AdS}_3/\text{CFT}_2$ ”, JHEP **11** 037 (2018) [arxiv: 1805.09336 [hep-th]]
- [28] **A. Belin**, N. Iqbal, S. Lokhande, “Bulk entanglement entropy in perturbative excited states”, SciPost Phys. **5** 024 (2018) [arxiv: 1805.08782 [hep-th]]
- [29] **A. Belin**, J. de Boer, J. Kruthoff, “Comments on a state-operator correspondence for the torus”, SciPost Phys. **5** 060 (2018) [arxiv: 1802.00006 [hep-th]]
- [30] **A. Belin**, “Permutation Orbifolds and Chaos”, JHEP **11** 131 (2017) [arxiv: 1705.08451 [hep-th]]
- [31] **A. Belin**, C. Keller, I. Zadeh, “Genus Two Partition Functions and Renyi Entropies of Large c CFTs”, J. Phys **A50** no. 43 435401 (2017) [arxiv: 1704.08250 [hep-th]]
- [32] **A. Belin**, B. Freivogel, R. Jefferson, L. Kabir, “Sub-AdS Scale locality in $\text{AdS}_3/\text{CFT}_2$ ”, JHEP **04** 147 (2017) [arxiv: 1611.08601 [hep-th]]
- [33] **A. Belin**, A. Castro, J. Gomes, C. Keller, “Siegel Modular Forms and Black Hole Entropy”, JHEP **04** 057 (2017) [arxiv: 1611.04588 [hep-th]]
- [34] **A. Belin**, J. de Boer, J. Kruthoff, B. Michel, E. Shaghoulian, M. Shyani, “Universality of Sparse $d > 2$ Conformal Field Theory at Large N ”, JHEP **03** 67 (2017) [arxiv: 1610.0618 [hep-th]]
- [35] **A. Belin**, C. Keller and A. Maloney, “Permutation Orbifolds in the large N limit”, Annales Henri Poincaré 1-29 (2016) [arXiv: 1509.01256 [hep-th]]

- [36] **A. Belin**, A. Castro and L.-Y. Hung, “Fake gaps in AdS₃/CFT₂”, JHEP **1511** 145 (2015), [arXiv: 1508.01201 [hep-th]]
- [37] **A. Belin**, C. Keller and A. Maloney, “String Universality for Permutation Orbifolds”, Phys. Rev. D **91**, no. 10, 106005 (2015), doi:10.1103/PhysRevD.91.106005, [arXiv: 1508.01201 [hep-th]]
- [38] **A. Belin**, A. Maloney, “A new instability of the topological black hole”, Class. Quant. Grav. **33** no. 21, 215003 (2016) [arXiv:1412.0280 [hep-th]]
- [39] **A. Belin**, L.-Y. Hung, A. Maloney and S. Matsuura, “Charged Renyi entropies and holographic superconductors”, JHEP **01** 059 (2015), [arXiv: 1407.5630 [hep-th]]
- [40] **A.~Belin**, L.~Y.~Hung, A.~Maloney, S.~Matsuura, R.~C.~Myers and T.~Sierens, “Holographic Charged Renyi Entropies,” JHEP **1312**, 059 (2013) [arXiv:1310.4180 [hep-th]].
- [41] S.~Banerjee, **A.~Belin**, S.~Hellerman, A.~Lepage-Jutier, A.~Maloney, D.~Radicevic and S.~Shenker, “Topology of Future Infinity in dS/CFT,” JHEP **1311**, 026 (2013) [arXiv:1306.6629 [hep-th]].
- [42] **A. Belin**, A. Maloney and S. Matsuura, “Holographic Phases of Renyi Entropies,” JHEP **1312**, 050 (2013) [arXiv:1306.2640 [hep-th]]

Other Research Publications

- Akhmedov A, Montecucco F, Braunersreuther V, Camici GG, Jakob P, Reiner MF, Glanzmann M, Burger F, Paneni F, Galan K, Pelli G, Vuilleumier N, **Belin A**, Vallée JP, Mach F, Lüscher TF. **2014**. *Genetic deletion of the adaptor protein p66Shc increases susceptibility to short-term ischaemic myocardial injury via intracellular salvage pathways*, **Eur Heart J**. 2015 Feb 21; 36(8):516-26a. DOI: 0.1093/eurheartj/ehu400 (IF 14.723)
 - Braunersreuther V, Montecucco F, Pelli G, Galan K, Proudfoot AE, **Belin A**, Vuilleumier N, Burger F, Lenglet S, Caffa I, Soncini D, Nencioni A, Vallée JP, Mach F. **2013**. *Treatment with the CC chemokine-binding protein Evasin-4 improves post-infarction myocardial injury and survival in mice*, **Thrombosis and Haemostasis**, 2013: 110/4 (Oct) pp. 807-825. DOI: <http://dx.doi.org/10.1160/TH13-04-0297> (IF 2011: 5.731)
 - **A. Belin**, V. Braunersreuther, F. Montecucco, B. M. Delattre, F. Mach, and JP Vallée. **2012**. *Cine Interleaved Sequences Enabled Imaging of Mice on Clinical 3T MRI and Analysis of Their Cardiac Function After Myocardial Infarct*. **J Cardiovasc Magn Reson** 14 (Suppl 1): p60. DOI: [10.1186/1532-429X-14-S1-P60](https://doi.org/10.1186/1532-429X-14-S1-P60)
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OUTREACH ACTIVITIES

- Preparation of the Quantum World exhibit in the Science Gateway, CERN. Theorist in charge of the “Entanglement” theme. 2019-2023
 - Contact physicist for “Arts at CERN”. Meeting with artists who visit CERN and wish to engage with physicists. 2019-2022
 - Participation in *CERN Work experience*, teaching a “mini-class” for high-school Students from Belgium
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EXTRACURRICULAR ACHIEVEMENTS

- Certified Swiss Snowboard Instructor SSBS 2005-2011
Patente Fédérale Swiss (Full degree) 2007
- Cofounder and CEO of Ma Gash Intl, an international DJ group and event promotion agency with over 500 shows worldwide. 2005-2018