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## Qualifications

Physics, Doctorate, Electron Driven Reactions in Complexes Embedded in Superfluid Helium Droplets, Universität Innsbruck  
6 Oct 2007 → 19 Oct 2009  
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## Employment

### Assistant Professor

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Universidade NOVA de Lisboa  
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### Researcher

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19 Dec 2018 → present

## Research outputs

- Electron ionization induced fragmentation pathways of trichloroanisole**  
Mendes, M., Bou-Debes, D., Eden, S., Bundaleski, N., Teodoro, O. M. N. D., Cornetta, L. M. & Ferreira da Silva, F., 27 Sept 2023, In: Physical Chemistry Chemical Physics. 25, 37, p. 25361-25367 7 p.
- Boroxine benzaldehyde complex for pharmaceutical applications probed by electron interactions**  
Pereira da Silva, J., Nunes, A., Mendes, M., Rodrigues, R., Cornetta, L. & Ferreira da Silva, F., 15 Jan 2023, In: Rapid Communications in Mass Spectrometry. 37, 1, 6 p., e9418.
- Parent anion radical formation in coenzyme Q<sub>0</sub>: Breaking ubiquinone family rules**  
Ameixa, J., Arthur-Baidoo, E., Pereira-da-Silva, J., Ončák, M., Ruivo, J. C., Varella, M. T. D. N., Ferreira da Silva, F. & Denifl, S., Jan 2023, In: Computational and Structural Biotechnology Journal. 21, p. 346-353 8 p.
- Triphenylboroxine stability under low-energy-electron interactions**  
Pereira-da-Silva, J. V., Mendes, M., Nunes, A. V. M., Araújo, J. M. M., Cornetta, L. M. & Silva, F. F. D., 31 Mar 2022, In: Physical Chemistry Chemical Physics. 24, 17, p. 10025-10032 8 p.
- Formation of Temporary Negative Ions and Their Subsequent Fragmentation upon Electron Attachment to CoQ<sub>0</sub> and CoQ<sub>0</sub>H<sub>2</sub>**  
Ameixa, J., Arthur-Baidoo, E., Pereira-da-Silva, J., Ruivo, J. C., Varella, M. T. D. N., Beyer, M. K., Ončák, M., Ferreira da Silva, F. & Denifl, S., 4 Mar 2022, In: ChemPhysChem. 23, 5, 202100834.
- New routes in the formation of positively charged fragments upon electron attachment**  
Mendes, M., Nunes, A., Pereira-da-Silva, J., Rodrigues, R., Araújo, J. M. M., Silva, F. F. D. & Cornetta, L. M., Feb 2022, In: European Physical Journal D. 76, 2, 7 p., 19.
- The role of low-energy electron interactions in cis-pt(Co)<sub>2</sub> br<sub>2</sub> fragmentation**  
Cipriani, M., Svavarsson, S., da Silva, F. F., Lu, H., McElwee-White, L. & Ingólfsson, O., 20 Aug 2021, In: International Journal of Molecular Sciences. 22, 16, 8984.

8. **Excited states of bromopyrimidines probed by vuv photoabsorption spectroscopy and theoretical calculations**  
Mendes, M., Kossoski, F., Lozano, A. I., Pereira-da-silva, J., Rodrigues, R., Ameixa, J., Jones, N. C., Hoffmann, S. V. & da Silva, F. F., 16 Jun 2021, In: International Journal of Molecular Sciences. 22, 12, 6460.
9. **Electron Driven Reactions in Tetrafluoroethane: Positive and Negative Ion Formation**  
Pereira-Da-Silva, J., Rodrigues, R., Ramos, J., Brígido, C., Botnari, A., Silvestre, M., Ameixa, J., Mendes, M., Zappa, F., Mullock, S. J., Araújo, J. M. M., Varella, M. T. D. N., Cornetta, L. M. & Da Silva, F. F., 2 Jun 2021, In: Journal Of The American Society For Mass Spectrometry. 32, 6, p. 1459-1468 10 p.
10. **Electron-Transfer-Induced Side-Chain Cleavage in Tryptophan Facilitated through Potassium-Induced Transition-State Stabilization in the Gas Phase**  
Da Silva, F. F., Cunha, T., Rebelo, A., Gil, A., Calhorda, M. J., García, G., Ingólfsson, O. & Limão-Vieira, P., 25 Mar 2021, In: Journal of Physical Chemistry A. 125, 11, p. 2324-2333 10 p.
11. **Perfluoro effect on the electronic excited states of para-benzoquinone revealed by experiment and theory**  
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12. **Delays in lung cancer diagnosis and treatment: real-life assessment in a tertiary care center**  
Teixeira, B., Sequeira, T., Gomes, M. I. A. R., da Silva, F. F. & Boléo-Tomé, J. P., 21 Dec 2020, In: Revista do Grupo de Estudos do Cancro do Pulmão. 2, p. 53-63 11 p.
13. **Selective bond breaking of halothane induced by electron transfer in potassium collisions**  
Lozano, A. I., Maioli, L. S., Pamplona, B., Romero, J., Mendes, M., Ferreira Da Silva, F., Kossoski, F., Probst, M., Süß, D., Bettega, M. H. F., García, G. & Limão-Vieira, P., 7 Nov 2020, In: Physical Chemistry Chemical Physics. 22, 41, p. 23837-23846 10 p.
14. **Reactions in Tirapazamine Induced by the Attachment of Low-Energy Electrons: Dissociation Versus Roaming of OH**  
Arthur-Baidoo, E., Ameixa, J., Ziegler, P., Ferreira da Silva, F., Ončák, M. & Denifl, S., 21 Sept 2020, In: Angewandte Chemie - International Edition. 59, 39, p. 17177-17181 5 p.
15. **Reaktionen in Tirapazamin induziert durch die Anlagerung von niederenergetischen Elektronen: Dissoziation versus Roaming von OH**  
Arthur-Baidoo, E., Ameixa, J., Ziegler, P., Ferreira da Silva, F., Ončák, M. & Denifl, S., 21 Sept 2020, In: Angewandte Chemie. 132, 39, p. 17330-17334 5 p.
16. **Electron transfer to phenyl boronic acid upon potassium collisions**  
Da Silva, F. F., Pamplona, B., Mendes, M., García, G. & Limão-Vieira, P., 11 Jun 2020, In: Journal of Physics: Conference Series. 1412, 5, 052002.
17. **Formation of resonances and anionic fragments upon electron attachment to benzaldehyde**  
Ameixa, J., Arthur-Baidoo, E., Pereira-Da-Silva, J., Ryszka, M., Carmichael, I. C., Cornetta, L. M., Do, M. T., Ferreira Da Silva, F., Ptasíńska, S. & Denifl, S., 21 Apr 2020, In: Physical Chemistry Chemical Physics. 22, 15, p. 8171-8181 11 p.
18. **Dissociation of the FEBID precursor: Cis-Pt(CO)<sub>2</sub>Cl<sub>2</sub> driven by low-energy electrons**  
Ferreira Da Silva, F., Thorman, R. M., Bjornsson, R., Lu, H., Mcelwee-White, L. & Ingólfsson, O., 21 Mar 2020, In: Physical Chemistry Chemical Physics. 22, 11, p. 6100-6108 9 p.
19. **Revisiting the photoabsorption spectrum of NH<sub>3</sub> in the 5.4-10.8 eV energy region**  
Limão-Vieira, P., Jones, N. C., Hoffmann, S. V., Dufлот, D., Mendes, M., Lozano, A. I., Ferreira Da Silva, F., García, G., Hoshino, M. & Tanaka, H., 14 Nov 2019, In: Journal of Chemical Physics. 151, 18, 184302.
20. **The role of electron transfer in the fragmentation of phenyl and cyclohexyl boronic acids**  
Lozano, A. I., Pamplona, B., Kilich, T., Łabuda, M., Mendes, M., Pereira-Da-Silva, J., García, G., Góis, P. M. P., da Silva, F. F. & Limão-Vieira, P., 2 Nov 2019, In: International Journal of Molecular Sciences. 20, 22, 5578.
21. **Decomposition of protonated ronidazole studied by low-energy and high-energy collision-induced dissociation and density functional theory**  
Pandeti, S., Ameixa, J., Khreis, J. M., Feketeová, L., Chirof, F., Reddy, T. J., Abdoul-Carime, H., Ferreira Da Silva, F., Denifl, S., O'hair, R. A. J., Farizon, B., Farizon, M. & Märk, T. D., 28 Oct 2019, In: Journal of Chemical Physics. 151, 16, 164306.
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23. **Experimental and theoretical analysis for total electron scattering cross sections of benzene**  
Costa, F., Álvarez, L., Lozano, A. I., Blanco, F., Oller, J. C., Muñoz, A., Barbosa, A. S., Bettega, M. H. F., Ferreira Da Silva, F., Limão-Vieira, P., White, R. D., Brunger, M. J. & García, G., 28 Aug 2019, In: Journal of Chemical Physics. 151, 8, 084310.
24. **Theoretical and experimental cross sections for electron scattering from halothane**  
Maioli, L. S., Bettega, M. H. F., Blanco, F., García, G., Lange, E., Limão-Vieira, P. & Ferreira da Silva, F., 1 Aug 2019, In: European Physical Journal D. 73, 8, 181.

25. **Electron-Induced Reactions in 3-Bromopyruvic Acid**  
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26. **Ion-pair formation in neutral potassium-neutral pyrimidine collisions: Electron transfer experiments**  
Mendes, M., Pamplona, B., Kumar, S., da Silva, F. F., Aguiar, A., García, G., Bacchus-Montabonel, M. C. & Limão-Vieira, P., Apr 2019, In: *Frontiers in Chemistry*. 7, APR, 264.
27. **Electronic structure and VUV photoabsorption measurements of thiophene**  
Jones, D. B., Mendes, M., Limão-Vieira, P., Silva, F. F. D., Jones, N. C., Hoffmann, S. V. & Brunger, M. J., 14 Feb 2019, In: *Journal of Chemical Physics*. 150, 6, 064303.
28. **The lowest-lying electronic states of isoflurane and sevoflurane in the 5.0–10.8eV energy range investigated by experimental and theoretical methods**  
Lange, E., Ferreira da Silva, F., Jones, N. C., Hoffmann, S. V., Dufлот, D. & Limão-Vieira, P., 1 Feb 2019, In: *Chemical Physics Letters*. 716, p. 42-48 7 p.
29. **Low-energy electron-induced decomposition of 5-trifluoromethanesulfonyl-uracil: A potential radiosensitizer**  
Ameixa, J., Arthur-Baidoo, E., Meißner, R., Makurat, S., Kozak, W., Butowska, K., Ferreira Da Silva, F., Rak, J. & Denifl, S., 28 Oct 2018, In: *Journal of Chemical Physics*. 149, 16, 164307.
30. **Probing the Lowest-Lying Electronic States of Acrylic Acid by Experimental and Theoretical Methods**  
Mendes, M., Barbosa, A. S., Ferreira Da Silva, F., Jones, N. C., Hoffmann, S. V., García, G., Bettega, M. H. F. & Limão-Vieira, P., 18 Oct 2018, In: *Journal of Physical Chemistry A*. 122, 41, p. 8191-8197 7 p.
31. **Total electron scattering cross section from sevoflurane by 1–300eV energy electron impact**  
Lozano, A. I., da Silva, F. F., Blanco, F., Limão-Vieira, P. & García, G., 16 Aug 2018, In: *Chemical Physics Letters*. 706, p. 533-537 5 p.
32. **Magnetically confined electron beam system for high resolution electron transmission-beam experiments**  
Lozano, A. I., Oller, J. C., Krupa, K., Ferreira Da Silva, F., Limão-Vieira, P., Blanco, F., Muñoz, A., Colmenares, R. & García, G., 1 Jun 2018, In: *Review of Scientific Instruments*. 89, 6, 063105.
33. **Total electron scattering cross section from pyridine molecules in the energy range 10–1000eV**  
Dubuis, A. T., Costa, F., da Silva, F. F., Limão-Vieira, P., Oller, J. C., Blanco, F. & García, G., 1 May 2018, In: *Chemical Physics Letters*. 699, p. 182-187 6 p.
34. **Experimental and theoretical electron-scattering cross-section data for dichloromethane**  
Krupa, K., Lange, E., Blanco, F., Barbosa, A. S., Pastega, D. F., Sanchez, S. DA., Bettega, M. H. F., García, G., Limão-Vieira, P. & Ferreira Da Silva, F., 10 Apr 2018, In: *Physical Review A*. 97, 4, 042702.
35. **Electron transfer driven decomposition of adenine and selected analogs as probed by experimental and theoretical methods**  
Cunha, T., Mendes, M., Ferreira Da Silva, F., Eden, S., García, G., Bacchus-Montabonel, M. C. & Limão-Vieira, P., 7 Apr 2018, In: *Journal of Chemical Physics*. 148, 13, 134301.
36. **Electron-impact electronic-state excitation of para -benzoquinone**  
Jones, D. B., Costa, R. F. D., Kossoski, F., Varella, M. T. D. N., Bettega, M. H. F., Ferreira da Silva, F., Limão-Vieira, P., García, G., Lima, M. A. P., White, R. D. & Brunger, M. J., 28 Mar 2018, In: *Journal of Chemical Physics*. 148, 12, 124312.
37. **Communication: Site-selective bond excision of adenine upon electron transfer**  
Cunha, T., Mendes, M., Ferreira Da Silva, F., Eden, S., García, G. & Limão-Vieira, P., 14 Jan 2018, In: *Journal of Chemical Physics*. 148, 2, 021101.
38. **Total electron scattering cross sections from: para -benzoquinone in the energy range 1-200 eV**  
Lozano, A. I., Oller, J. C., Jones, D. B., Costa, R. F. D., Varella, M. T. D. N., Bettega, M. H. F., Silva, F. F. D., Limão-Vieira, P., Lima, M. A. P., White, R. D., Brunger, M. J., Blanco, F., Muñoz, A. & García, G., 1 Jan 2018, In: *Physical Chemistry Chemical Physics*. 20, 34, p. 22368-22378 11 p.
39. **Interactions of low-energy electrons with the FEBID precursor chromium hexacarbonyl (Cr(CO)(6))**  
Khreis, J. M., Ameixa, J., da Silva, F. F. & Denifl, S., 4 Dec 2017, In: *Beilstein Journal of Nanotechnology*. 8, p. 2583-2590 8 p.
40. **Comprehensive investigation of the electronic excitation of W(CO)<sub>6</sub> by photoabsorption and theoretical analysis in the energy region from 3.9 to 10.8 eV**  
Mendes, M., Regeta, K., da Silva, F. F., Jones, N. C., Hoffmann, S. V., García, G., Daniel, C. & Limão-Vieira, P., 23 Oct 2017, In: *Beilstein Journal of Nanotechnology*. 8, 1, p. 2208-2218 11 p.
41. **Low energy electron transport in furfural**  
Lozano, A. I., Krupa, K., Ferreira da Silva, F., Limão-Vieira, P., Blanco, F., Muñoz, A., Jones, D. B., Brunger, M. J. & García, G., Sept 2017, In: *European Physical Journal D*. 71, 9, 226.
42. **Dissociative electron attachment to 3-bromopyruvic acid**  
Ferreira Da Silva, F., Denifl, S., Bald, I. & Kopyra, J., 18 Aug 2017, In: *Journal of Physics: Conference Series*. 875, 7, 062042.

43. **Elastic Differential Cross Sections for Electron Scattering with Dichloromethane**  
Lange, E., Krupa, K., Ameixa, J., Barbosa, A. S., Pastega, D. F., Limão-Vieira, P., Bettega, M. H. F., Blanco, F. J., García, G. & Ferreira Da Silva, F., 18 Aug 2017, *30th International Conference on Photonic, Electronic, and Atomic Collisions, ICPEAC 2017*. Kheifets, A., Bray, A., Hodgman, S. & Machacek, J. (eds.). Bristol: IOP Publishing, 062036. (Journal of Physics: Conference Series; vol. 875, no. 7).
44. **Electron transfer processes in potassium collision with nitroimidazoles: the role of methylation at N1 site**  
Mendes, M., Ferreira Da Silva, F., Garcia, G. & Limão-Vieira, P., 18 Aug 2017, In: Journal of Physics: Conference Series. 875, 6, 052035.
45. **Electron-transfer studies in potassium collisions with tetrachloromethane**  
Regeta, K., Cunha, T., Ferreira Da Silva, F., Garcia, G. & Limão-Vieira, P., 18 Aug 2017, In: Journal of Physics: Conference Series. 875, 11, 102015.
46. **Pt(CO)<sub>2</sub>Cl<sub>2</sub> fragmentation upon low energy electron interactions**  
Ferreira Da Silva, F., Thorman, R., Lu, H., McElwee-White, L. & Ingólfsson, O., 18 Aug 2017, In: Journal of Physics: Conference Series. 875, 7, 2 p., 062035.
47. **Electron scattering cross section data for tungsten and beryllium atoms from 0.1 to 5000 eV**  
Blanco, F., Silva, F. F. D., Limao-Vieira, P. & Garcia, G., 18 Jul 2017, In: Plasma Sources Science & Technology. 26, 8, 085004.
48. **Unravelling the dissociation pathways of acetic acid upon electron transfer in potassium collisions: Experimental and theoretical studies**  
Meneses, G., Widmann, C., Cunha, T., Gil, A., Ferreira Da Silva, F., Calhorda, M. J. & Limão-Vieira, P., 14 Jan 2017, In: Physical Chemistry Chemical Physics. 19, 2, p. 1083-1088 6 p.
49. **Electron attachment studies with 2,3-dimethoxy-5-methyl-1,4-benzoquinone**  
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50. **Low-energy electron interactions with chromium hexacarbonyl Cr(CO)<sub>6</sub>**  
Khreis, J., Ameixa, J., Neustetter, M., Reitshammer, J., Ferreira Da Silva, F. & Denifl, S., 2017, In: Journal of Physics: Conference Series. 875, 7, 062003.
51. **Valence and Rydberg Excitations of 2,4-and 2,6-Difluorotoluene as Studied by Vacuum Ultraviolet Synchrotron Radiation and ab Initio Calculations**  
Barbosa, A. S., Silva, F. F. D., Rebelo, A., Hoffmann, S. V., Bettega, M. H. F. & Limao-Vieira, P., 17 Nov 2016, In: Journal of Physical Chemistry A. 120, 45, p. 8998-9007 10 p.
52. **Side chain effects in reactions of the potassium-tyrosine charge transfer complex**  
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53. **Theoretical and experimental study on electron interactions with chlorobenzene: Shape resonances and differential cross sections**  
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54. **Valence and lowest Rydberg electronic states of phenol investigated by synchrotron radiation and theoretical methods**  
Limao-Vieira, P., Duflot, D., Silva, F. F. D., Lange, E., Jones, N. C., Hoffmann, S. V., Smialek, M. A., Jones, D. B. & Brunger, M. J., 21 Jul 2016, In: Journal of Chemical Physics. 145, 3, 034302.
55. **Kinetic-energy release distributions of fragment anions from collisions of potassium atoms with D-Ribose and tetrahydrofuran**  
Rebelo, A., Cunha, T., Mendes, M., da Silva, F. F., Garcia, G. & Limão-Vieira, P., 7 Jun 2016, In: European Physical Journal D. 70, 6, 130.
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Neustetter, M., Silva, F. F. D. & Denifl, S., 15 May 2016, In: Rapid Communications in Mass Spectrometry. 30, 9, p. 1139-1144 6 p.
57. **Measuring electron-impact cross sections of water: elastic scattering and electronic excitation of the (a)over-tilde(3)B(1) and (A)over-tilde(1)B(1) states**  
Matsui, M., Hoshino, M., Kato, H., Silva, F. F. D., Limao-Vieira, P. & Tanaka, H., 7 Apr 2016, In: European Physical Journal D. 70, 4, 77.
58. **Combined experimental and theoretical study on the differential elastic scattering cross sections for acetone by electron impact energy of 7.0-50 eV**  
Pastega, D. F., Lange, E., Ameixa, J., Barbosa, A. S., Blanco, F., Garcia, G., Bettega, M. H. F., Limão-Vieira, P. & Silva, F. F. D., 16 Mar 2016, In: Physical Review A. 93, 3, 032708.

59. **Electronic excitation of furfural as probed by high-resolution vacuum ultraviolet spectroscopy, electron energy loss spectroscopy, and ab initio calculations**  
Silva, F. F. D., Lange, E., Limão-Vieira, P., Jones, N. C., Hoffmann, S. V., Hubin-Franskin, M. J., Delwiche, J. P., Brunger, M. J., Neves, R. F. C., Lopes, M. C. A., Silva, M. J. O. E., Costa, R. F. D., Varella, M. T. N., Bettega, M. H. F., Blanco, F. J., García, G. A., Lima, M. A. P. & Jones, D. B., 14 Oct 2015, In: *Journal of Chemical Physics*. 143, 14, 144308.
60. **Complex internal rearrangement processes triggered by electron transfer to acetic acid**  
Limão-Vieira, P., Meneses, G., Cunha, T., Gil, A., Calhorda, M. J., García, G. A. & Da Silva, F. F., 7 Sept 2015, *XXIX International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2015)*. Mendez, L., Diaz, C., Rabadan, I., Garcia, G. & Martin, F. (eds.). Bristol, UK: IOP Publishing, Vol. Pts. 1-12. 012002. (*Journal Of Physics: Conference Series*; vol. 635, no. 1).
61. **Electron induced fragmentation of sulphur containing biological prototypes: Thiaproline and taurine**  
Lange, E., Meneses, G., Cunha, T., Krasuska, J., Kopyra, J., García, G., Silva, F. F. D. & Limão-Vieira, P., 7 Sept 2015, *XXIX International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2015)*. Mendez, L., Diaz, C., Garcia, G., Martin, F. & Rabadan, I. (eds.). Bristol, UK: IOP Publishing, 072069. (*Journal Of Physics: Conference Series*; vol. 635, no. 7).
62. **Modeling secondary particle tracks generated by high-energy protons in water**  
Blanco, F. J., Muñoz, A., Almeida, D., Silva, F. F. D., Limão-Vieira, P., Verkhovtsev, A., Ellis-Gibblings, L., Krupa, K., Traore, A. & García, G., 7 Sept 2015, *XXIX International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2015)*. Martin, F., Rabadan, I., Diaz, C., Garcia, G. & Mendez, L. (eds.). Bristol, UK: IOP Publishing, Vol. Pts 1-12. 032092. (*Journal Of Physics: Conference Series*; vol. 635, no. 3).
63. **Toluene Valence and Rydberg Excitations as Studied by ab initio Calculations and Vacuum Ultraviolet (VUV) Synchrotron Radiation**  
Serralheiro, C., Duflot, D., Da Silva, F. F., Hoffmann, S. V., Jones, N. C., Mason, N. J., Mendes, B. & Limão-Vieira, P., 27 Aug 2015, In: *Journal of Physical Chemistry A*. 119, 34, p. 9059-9069 11 p.
64. **Novel experimental setup for time-of-flight mass spectrometry ion detection in collisions of anionic species with neutral gas-phase molecular targets**  
Oller, J. C., Ellis-Gibblings, L., Ferreira da Silva, F., Limao-Vieira, P. & Garcia, G., 21 Aug 2015, In: *EPJ TECHNIQUES AND INSTRUMENTATION*. 2, 13.
65. **Electronic State Spectroscopy of Halothane As Studied by ab Initio Calculations, Vacuum Ultraviolet Synchrotron Radiation, and Electron Scattering Methods**  
Da Silva, F. F., Duflot, D., Hoffmann, S. V., Jones, N. C., Rodrigues, F. N., Ferreira-Rodrigues, A. M., Souza, G. G. B. D., Mason, N. J., Eden, S. & Limão-Vieira, P., 6 Aug 2015, In: *Journal of Physical Chemistry A*. 119, 31, p. 8503-8511 9 p.
66. **The Effect of Solvation on Electron Attachment to Pure and Hydrated Pyrimidine Clusters**  
Neustetter, M., Aysina, J., Silva, F. F. D. & Denifl, S., 27 Jul 2015, In: *Angewandte Chemie-International Edition*. 54, 31, p. 9124-9126 3 p.
67. **Crossed-beam experiment for the scattering of low- and intermediate-energy electrons from BF<sub>3</sub>: A comparative study with XF<sub>3</sub> (X = C, N, and CH) molecules**  
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68. **Dissociative excitation study of iron pentacarbonyl molecule Topical Issue**  
Ribar, A., Danko, M., Országh, J., Ferreira Da Silva, F., Utke, I. & Matejčík, Š., 18 Apr 2015, In: *European Physical Journal D*. 69, 4, 117.
69. **Electronic excitation of carbonyl sulphide (COS) by high-resolution vacuum ultraviolet photoabsorption and electron-impact spectroscopy in the energy region from 4 to 11 eV**  
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70. **Einfluss der solvatisierung auf die elektronenanlagerung an pyrimidin**  
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91. **Electronic Excitation to Singlet States of 1,3-C<sub>4</sub>F<sub>6</sub>, c-C<sub>4</sub>F<sub>6</sub> and 2-C<sub>4</sub>F<sub>6</sub> by Electron Impact - Electron Energy-Loss Spectroscopy and ab Initio Calculations**  
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## Activities

### University of Iceland

Filipe Ferreira da Silva (Visiting researcher)  
2 Jan 2020 → 12 Jan 2020

### Flinders University

Filipe Ferreira da Silva (Visiting researcher)  
Jan 2018 → Feb 2018

## Projects

### **BIOSPHERE: Metrology for Earth Biosphere: Cosmic rays, ultraviolet radiation and fragility of ozone shield**

Krasniqi, F. & Ferreira da Silva, F.  
European Commission: €10,000.00  
1/10/22 → 30/09/25

## Fellowships and Prizes

### **"LEEPAR - Investigation of condensed-phase Low-Energy (0-30 eV) Electron induced Processes for application to Astrochemistry and Radiotherapy"**

Ferreira da Silva, Filipe (Recipient), 2009

### **Young Scientist Award**

Ferreira da Silva, Filipe (Recipient), 2009

### **"Bond breaking and temporary anion states in amino acids in atom-molecule collisions: biological implications"**

Ferreira da Silva, Filipe (Recipient), 2010

### **Cross Sectional Data as Input for Simulations in Radiotherapy Dose Planning**

Ferreira da Silva, Filipe (Recipient), 2015