**Ferreira da Rosa Pedro Paulo**

Sapporo, Hokkaido (Japan) ・pedroprosa@cse.hokudai.ac.jp・080-4760-1803

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| **Education** |

**Osaka University, Center for Japanese Language and Culture**

Japanese language studies (Monbukagakusho scholarship, 1 year)

**Hokkaido University, Engineering - Applied Chemistry**

Bachelor degree obtained in Applied Chemistry (Engineering).

* Monbukagakusho scholarship, 4 years (Global competition, only 100 people awarded per year)
* Bachelor thesis title: Syntheses and photophysical properties of lanthanide complexes with *C*3 symmetric structures.

**Hokkaido University, Graduate School of Chemical Sciences and Engineering**

Master’s degree obtained in Chemistry.

* Monbukagakusho scholarship, 2 years (extension)
* Master thesis title: Syntheses and photo-physical properties of seven-coordinated thermo-sensitive Tb(III) complexes

**Hokkaido University, Graduate School of Chemical Sciences and Engineering**

Doctorate in Chemistry – on going (expected March 2022)

* Japanese Society for the Promotion of Science (JSPS) – DC1

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| **Research Experience** |

**Advanced Materials Chemistry Lab.** (Prof. Hasegawa Y.)  **2016-present**

Started my research as a chemist in Lanthanides, Coordination Chemistry and Photochemistry. Extensive experience in organic synthesis and photonic materials. Experienced in X-ray analyses machines, NMR and thermal-analyses. Currently working in thermo-sensitive highly emissive lanthanide complexes.

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| **Accomplishments** |

2018年光化学討論会 (Annual Meeting on Photochemistry 2018) - **Journal of Photochemistry and Photobiology C: Photochemistry Reviews Presentation Prize** (2018)

The 5th ALP International Symposium on AMBITIOUS LEADER’S PROGRAM Fostering Future Leaders to Open New Frontiers in Materials Science. - **Best Poster Award** (2017)

第7回CSJ化学フェスタ (7th CSJ Chemistry Festa) - **Best Poster Award** (2017)

ISPPCC 19 - City University of Hong Kong - **Poster Presentation** (2019)

第2回「ソフトクリスタル」・「革新的光-物質変換」合同若手研究者育成シンポジウム (2nd ‘Soft Crystal’ Symposium *abbr.*) - **Best Presentation Award** (2019)

Ferreira da Rosa, Pedro Paulo 2017**ホスフィンオキシド化合物、希土類錯体及び発光材料** Japan **P2016-148-WO01**, filled February 2017. Patent Pending

Ferreira da Rosa Pedro Paulo 2018**希土類錯体、発光体及び発光デバイス**Japan **P2018-024-JP01**, filled July 2018. Patent Pending

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| **Select Publications** |

*Selections from 5 publications*

Ferreira da Rosa P.P., Hasegawa Y., et.al. Thermosensitive Seven‐Coordinate TbIII Complexes with LLCT Transitions, *Eur. J. Inorg. Chem.* (**2018**)

Ferreira da Rosa P.P., Kitagawa Y. and Hasegawa Y., Luminescent lanthanide complex with seven-coordination geometry, *Coord. Chem. Rev.* (**2020**)

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| **Skills and Interests** |

* Extensive experience with Microsoft **PowerPoint**, **Word** and **Excel**
* Proficient in English (TOEFL-iBT: 92/120, TOIEC: 985/990), Japanese and Portuguese; Conversational Spanish
* Basic knowledge of **C language** and **IGOR** (data analysis software)
* Amateur interest in **Astrophysics**
* Dabble in **financial investment** and follow **economic journals**