



Vanessa Romina Landaeta Perera

Personal Information.

- **Birthplace and Birth date:** Chacao, Edo. Miranda, Nov/12th/1976. **Age:** 27 years old.
- **Identity Number:** V - 12.831.480, **Marital Status:** Single.
- **Languages:** Spanish (mother language), English and Italian.

Education

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| 1993 – 1998 | Simón Bolívar University (Universidad Simón Bolívar) Sartenejas, Edo. Miranda | B.A. in Chemistry. |
| 1999 -2003 | Venezuelan Institute for Scientific Research (IVIC) (Instituto Venezolano de Investigaciones Científicas) Altos de Pipe, Edo. Miranda | Ph. D in Science, Chemistry. |

Professional Experience

- **Assistant to the Chemistry Students Council.**
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| 1996 | Simón Bolívar University Valle de Sartenejas, Edo. Miranda | |
| | | ▪ Internship on the Control of Quality Department. |
| Jul-Dec 1997 | Hoechst Marion Roussel, S.A. La Trinidad, Edo. Miranda | |
| | | ▪ Secretary for the Chemistry Students Council. |
| 1997 | Simón Bolívar University Valle de Sartenejas, Edo. Miranda | |
| | | ▪ Assistant to the General Chemistry Lab. |
| Jan-Mar, Apr-Jul 1997 | Simón Bolívar University | |
| Jan-Mar, Apr-Jul, Sep-Dec 1998 | Valle de Sartenejas, Edo. Miranda | |
| | | ▪ Undergraduate Research Student. |
| 1998 | Venezuelan Institute for Scientific Research, IVIC Lab. Q.M.T. Altos de Pipe, Edo. Miranda. | |
| | | ▪ Research Assistant. |
| Mar-Sep 1999 | Venezuelan Institute for Scientific Research, IVIC Lab. Q.M.T. Altos de Pipe, Edo. Miranda. | |

▪ **Ph. D in Science, Chemistry, Student.**

Sep 1999 – Sep 2003 Venezuelan Institute for Scientific Research, IVIC
Lab. Q.M.T. Altos de Pipe, Edo. Miranda.

▪ **Visiting Scientist.**

Sep – Nov 2000 Istituto per lo Studio della Stereochimica ed Energética
dei Composti di Coordinazione, ISSECC – CNR.
Via I. Nardi # 39, Florence, Italy.

▪ **Inorganic Chemistry Teacher.**

Oct – Nov 2001 Trainer of the Venezuelan Olympic Team to the
34th International Chemistry Olympiad, Netherlands 2002.
CENAMEC. Caracas.

▪ **Visiting Scientist.**

Jan – Jul 2002 Istituto di Chimica dei Composti Organometallici.
ICCOM – CNR.
Via I. Nardi # 39, Florence, Italy.

▪ **Inorganic Chemistry Teacher.**

Aug – Oct 2002 Trainer of the Venezuelan Olympic Team to the
7th Iberoamerican Chemistry Olympiad, Argentina 2002.
CENAMEC. Caracas.

▪ **Inorganic Chemistry Teacher.**

Oct 2002 – Jun 2003 Trainer of the Venezuelan Olympic Team to the 35th
International Chemistry Olympiad, Greece 2003.
Venezuelan Chemical Society. Caracas.

▪ **Inorganic Chemistry Teacher.**

Aug – Sep 2003 Trainer of the Venezuelan Olympic Team to the
8th Iberoamerican Chemistry Olympiad, México 2003.
Venezuelan Chemical Society. Caracas.

▪ **Inorganic Chemistry Teacher.**

Jan 2004 up to date Trainer of the Venezuelan Olympic Team to the
36th International Chemistry Olympiad, Germany 2004.
Venezuelan Chemical Society. Caracas.

▪ **Thesis for B.A. in Chemistry.**

"Homogeneous Hydrogenation of C=N Double Bonds using Rhodium and Iridium Complexes".
Simón Bolívar University. **1998**. Tutor: Verónica Herrera Bello, IVIC. Co - tutor: Antonio Barriola,
USB.

▪ **Thesis for Ph. D. in Science, Chemistry.**

"Syntheses, Characterization and Reactivity of Rhodium and Iridium Metal Complexes With Bulky
Phosphines". Venezuelan Institute for Scientific Research, IVIC. **2003**. Tutor: Dr. Roberto
Sánchez – Delgado, IVIC. Thesis Director: Dr. Verónica Herrera Bello.

▪ V. Herrera, B. Muñoz, V. Landaeta, N. Canudas. "Homogeneous Hydrogenation of
Imines Catalyzed by Rhodium and Iridium Complexes. Kinetics and Mechanism of the
Hydrogenation of N-(β -naphthyl methylene)aniline Using [Ir(COD)(PPh₃)₂]PF₆ as Catalyst
Precursor". *Journal of Molecular Catalysis. A, Chemical*. **174**. 141 – 149. *2001*.

Publications

- V. Landaeta, V. Herrera, M. Peruzzini, C. Bianchini, F. Zanobini, P. Frediani. "Synthesis, Characterization and Reactivity of Novel Rhodium and Iridium Organometallic Complexes With Tribenzylphosphine (PBz₃)". Results to be published. 2004.
- B. Muñoz, V. Landaeta, R. Sánchez – Delgado, V. Herrera. "Kinetics and Mechanism of the Hydrogenation of N-(β-naphthyl methylene) aniline Using Rhodium Phosphine Complexes as Catalyst Precursors". Results to be published. 2004.
- B. Muñoz, V. Landaeta, R. Sánchez – Delgado, V. Herrera. "Effects of the Phosphine Ligand on the Hydrogenation of Bulky Imines Using Rhodium and Iridium Complexes as Catalyst Precursors". Results to be published. 2004.
- F. López - Linares, V. Landaeta, R. Sánchez - Delgado. "Homogeneous Hydrogenation of *trans* - Cinnamaldehyde Using [Ir(COD)(py)(PBz₃)]PF₆ as Catalyst Precursor". Sent for publication. 2004.

Acknowledgements

- For collaboration on the activities commemorating the Chemistry Week, by Prof. Antonio Barriola, Dean of the Chemistry School, USB. March 1996.
- For collaboration, leadership and responsibility on the organization of the Chemistry Week, by Chemistry Students Council. March 1996.
- For collaboration on the Program of University Information, by Lic. Lila Perera, Program Chief. April 1997.
- For participation on the "*V Exposition for the Choice of Career 1997*", by Sección de Orientación de la Dirección de Desarrollo Estudiantil, USB. June 1997.
- For collaboration on the Experimental Final Test of the *XV Venezuelan Chemistry Olympiad*, by CENAMEC. June 1997.
- For collaboration on the Experimental Final Test of the *XVI Venezuelan Chemistry Olympiad*, by CENAMEC. June 1998.
- For collaboration on the Experimental Final Test of the *XVII Venezuelan Chemistry Olympiad*, by CENAMEC. June 1999.
- For collaboration on the Experimental Final Test of the *XVIII Venezuelan Chemistry Olympiad*, by CENAMEC. June 2000.
- For collaboration on Extinguishing the Forest Fire of April 17th at IVIC Forest, by División de Protección Integral IVIC. April 2001.
- For collaboration on the Experimental Final Test of the *XIX Venezuelan Chemistry Olympiad*, by CENAMEC. June 2001.
- For the work done training the IEA pupils for the International Chemistry Olympiads, by Institutos Educativos Asociados (IEA). July 2003.

Academic Honors

- *Scholarship from CONICIT* to make graduate studies. Sep 1999 – Aug 2003.
- *S3 Project FONACIT* to perform a research stage in Florence, Italy. Jan – Jul 2002
- Nomination for the *José Felix Ribas Award 2004, 2nd class*, for academic achievements. Nominated by Dr. Claudio Bifano, President of the Venezuelan Chemical Society. Waiting for the Results.

Other Activities

- *Member of the Chemistry Students Council.* Simón Bolívar University. 1997.
- *Member of the Venezuelan Chemical Society.* March 2000 up to date.
- *Member of the Voluntary Emergencies Brigade IVIC.* July 2000 up to date.

Congresses and Scientific Meetings

- *4th Venezuelan Chemistry Congress.* Los Andes University. Mérida, Venezuela. February, 7 – 11 / 1999.
- *5th Venezuelan Chemistry Congress.* Zulian University. Maracaibo, Venezuela. April, 1 - 5 / 2001.
- *1st University Meeting of the Chemist and Industry.* Simón Bolívar University. Venezuela. October, 29 -31 / 2001.
- *XXTH International Conference on Organometallic Chemistry.* Corfú, Greece. July, 7 - 12 / 2002.
- *35TH International Chemistry Olympiad.* Guest Professor, Venezuelan Olympic Team. Athens, Greece. July, 5 - 14 / 2003.
- *6th Venezuelan Chemistry Congress.* University of Margarita. Margarita Island, Venezuela. November, 2 - 6 / 2003.

Courses

- *Handling of Chemical Reagents,* by JT Baker Chemicals. Hoechst Marion Roussel, S.A., October, 1997.
- *Program of English as a Foreign Language.* Centro Venezolano Americano, January 1998.
- *Applications of Organometallic Compounds in Catalysis,* by Dr. Tapani Pakkanen. UCV, Facultad de Ciencias, March 2000.
- *Cardiopulmonary resuscitation (CPR),* by Gustavo Chacón and José Urbina, Emergencias Miranda. IVIC, February 2001.
- *Lab Security,* by Ing. Morella Ruiz, División de Protección Integral. IVIC, Jul 2001.
- *Handling of Firefighting Equipments,* by Gabriel Castillo, Caricuao Fire Department. IVIC, Sep. 2001.
- *Organometallic Chemistry for Organic Syntheses,* by Dr. Henry Arzoumanian, CNRS, Université Aix – Marseille. IVIC, Oct – Nov 2001.

Seminars and Scientific Meetings

- **V. Herrera and V. Landaeta.** "Catalytic Homogeneous Hydrogenation of C=N double moieties using rhodium and iridium complexes". *4th Venezuelan Chemistry Congress.* Los Andes University. Venezuela. 1999.
- **V. Herrera, V. Landaeta, B. Muñoz and R. Sánchez – Delgado.** "Homogeneous Hydrogenation of Imines Catalyzed by Rhodium and Iridium Complexes. Kinetic Studies and Mechanistic Considerations". *1st Iberoamerican Meeting on Homogeneous Catalysis CYTED,* Cartagena de Indias, Colombia. 1999.
- **V. Herrera, V. Landaeta, B. Muñoz and R. Sánchez – Delgado.** "Homogeneous Hydrogenation of Imines Catalyzed by Rhodium and Iridium Complexes. Kinetic and Mechanistic Considerations". *12TH International Symposium on Homogeneous Catalysis,* Stockholm, Sweden. 2000.

- **V. Herrera, V. Landaeta, M. Peruzzini and C. Bianchini.** "Synthesis, Characterization and Reactivity of Rhodium and Iridium Organometallic Complexes with tribenzylphosphine". *5th Venezuelan Chemistry Congress*. Zulian University. Venezuela. 2001.
- **V. Landaeta, V. Herrera, M. Peruzzini, C. Bianchini, F. Zanobini, D. Masi and P. Frediani.** "New Rhodium and Iridium Complexes with PBz₃: Exploration of their Catalytic Properties". *XXTH International Conference on Organometallic Chemistry*. Corfú, Greece. 2002.
- **V. Landaeta, V. Herrera and M. Peruzzini.** "Studies on the Interaction of Rhodium and Iridium with tris(o-anisyl)phosphine". *6th Venezuelan Chemistry Congress*. University of Margarita. Venezuela. 2003.
- **B. Muñoz, V. Herrera and V. Landaeta.** "Phosphine – Ligand Variation Effects on the Kinetics of Hydrogenation of Imines using Iridium Catalysts". *6th Venezuelan Chemistry Congress*. University of Margarita. Venezuela. 2003.