

# WARREN BACORRO, MD, DPBRO, FPCR

## FIELDS OF INTERESTS

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- Brachytherapy, head-and-neck, prostate and gynecologic cancers, sarcoma
- Radiobiology, late effects, quality of life, and re-treatment

## INSTITUTIONAL APPOINTMENTS

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### *East Avenue Medical Center*

- Medical Specialist II. April 2023 – present
- Visiting Consultant. March 2020 – March 2023

### *Philippine Children's Medical Center*

- Medical Specialist II. January 2022 – present

### *Lung Center of the Philippines*

- Visiting Consultant. October 2020 – present

### *Our Lady of Lourdes Hospital*

- Visiting Consultant. July 2020 – present
- Co-Chair, Research Committee. June 2021 – May 2022

### *De Los Santo Medical Center*

- Visiting Consultant. January 2019 – present

### *Manila Doctors Hospital*

- Brachytherapy Unit Head. August 2018 – present
- Active Consultant. August 2018 – present

### *University of Santo Tomas, Faculty of Medicine and Surgery*

- Assistant Professor, Department of Clinical Epidemiology. August 2019 - present
- Secretary, Research Ethics Board. January 2019 – present
- Course Supervisor, Clinical Epidemiology I, Department of Clinical Epidemiology. July 2020 – December 2021
- Instructor, Department of Clinical Epidemiology. July 2018 – July 2019

### *University of Santo Tomas Hospital – Benavides Cancer Institute*

- Clinical Research Unit Head. September 2020 – present
- Active Consultant. January 2018 – present

### *St. Paul's Hospital – Iloilo*

- Visiting Consultant. January 2018 – December 2021

## ORGANIZATIONAL APPOINTMENTS

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### *Philippine Society of Oncologists*

- Treasurer, January 2023 – present

### *National Research Council of the Philippines*

- Associate Member. October 2022 - present

### *Japan Team Oncology Program (JTOP)*

- Executive Committee. February 2022 - present
- International Steering Committee. February 2021 – present
- International Mentor. February 2021 – present
- International Tutor. August 2019 – present
- Project ECHO ONE Steering Committee. August 2019 – present

### *European Society for Radiotherapy and Oncology (ESTRO)*

- Member, Groupe Européen de Curiethérapie - European Society for Radiotherapy and Oncology (GEC-ESTRO) Head-and-Neck/Skin Working Group. March 2020 – present

### *Federation of Asian Radiation Oncology Organizations (FARO)*

- Research Committee, 2022 – present

### *Member, South East Asian Radiation Oncology Group (SEAROG)*

### *Union for International Cancer Control (UICC)*

- Fellowship Review Committee, June 2018 – present
- Lifetime Fellow (since October 2014)

### *Philippine Radiation Oncology Society (PROS)*

- Member, Cervical Cancer Technical Working Group, 2020 to present
- Member, Research Committee, 2022 to present

### *UST Faculty of Medicine and Surgery Medical Missions, Inc.*

- Lifetime Member (since April 2009)
- Secretary, Executive Board. April 2007 – March 2009

- President, Student Group. April 2007 – March 2009
- Founding Board Member, France Alumni Philippine Association (FAPA)*

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## WORK EXPERIENCE

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### Consultant

- DOH – JRMMC – National Clinical Practice Guidelines Development for Head-and-Neck Cancers*
- Member, External Review Committee. June 2023 – August 2023
- DOH – PCMC – National Clinical Practice Guidelines Development for Wilms Tumor*
- Member, Evidence Review Expert Committee. October 2022 – July 2023
- DOH – EAMC – Philippine Society of Endocrinology, Diabetes and Metabolism – CPG Development on Thyroid Disorders*
- Member, Conflict of Interest Committee. August 2022 – November 2022
- DOH – EAMC Cancer Center*
- Member, Technical Working Group, October 2020 - present
- St. Jude Children’s Research Hospital Pediatric Oncology Facility Integrated Local Evaluation (ProFILE) Program - Beta 3 Cohort*
- Member, PCMC ProFILE Team. September 2022 – April 2023
- MSD Global Gender-Neutral Vaccination Data Generation in LMIC – Scientific Input Engagement*
- Member, Scientific Resource Panel. 27-28 August 2022
- DOH – JRMMC National Clinical Practice Guidelines Development for Thyroid Cancer*
- Member, External Review Committee. March 2022
- DOH – EAMC National Clinical Practice Guidelines Development for Colorectal Cancer*
- Member, Steering Committee. July 2021 – June 2022.
- DOH – EAMC Eye Center – Retinoblastoma Referral Clinic and Network*
- Member, Technical Working Group, April 2021 – May 2021
- Philippine Society of Urologic Oncologists – Advanced Prostate Cancer Consensus Development*
- Member, Consensus Panel, April 2021

### Lecturer

- Philippine Nuclear Research Institute - Basic Principles and Radiation Safety Considerations in External Radiotherapy and Brachytherapy*
- Medical Use of Radioisotopes Online Course. Philippine Nuclear Research Institute. April 2021-March 2022.

### Editorial Roles

- Assistant Editor, Journal of Medicine University of Santo Tomas. 2023 - present*
- Advisory Board Member, Cancer Treatment and Research Communications. 2021 - present*
- Advisory Board Member, Current Problems in Cancer: Case Reports. 2021 - present*

### Peer Reviewer

- Asia-Pacific Journal of Clinical Oncology
- Brachytherapy
- British Journal of Radiology Case Reports
- International Journal of Radiation Oncology, Biology and Physics
- Journal of Contemporary Brachytherapy
- Supportive Care in Cancer

### Grant Reviewer

- Union for International Cancer Control – International Cancer Research Technology Transfer Fellowships
- Philippine Council for Health Research and Development

### Abstract Reviewer

- ESTRO 2023 Conference

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## LICENSURE AND CERTIFICATIONS

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- Fellow, Philippine College of Radiology, February 2015*
- Diplomate, Philippine Board of Radiation Oncology, 21 February 2014*
- Philippine Medical Licensure, August 2009*

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## EDUCATION AND TRAINING

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- Doctor of Philosophy in Health Research*
- University of Santo Tomas – Graduate School. January 2022 – December 2024 (expected completion)
- Diplôme de Formation Médicale Spécialisée Approfondie (Subspecialty) in Brachytherapy, Gynecology and Urology; SRS/SBRT, VMAT, Tomotherapy and IGRT for Breast, CNS, Pediatric and Gastrointestinal Cancers*
- Institute Gustave Roussy, Villejuif, France, Nov 2016 – Oct 2017

*Clinical and Research Fellowship (Theories, Techniques and Applications of Brachytherapy in Various Sites)*

- University of California – Los Angeles, Los Angeles, California, USA, Jul 2014 - Aug 2014

*Residency, Radiation Oncology*

- University of Santo Tomas Hospital – Benavides Cancer Institute, 2010-2013

*Internship*

- University of Santo Tomas Hospital, España, Manila. 2008-2009

*Doctor of Medicine*

- Summa cum laude, Faculty of Medicine and Surgery, University of Santo Tomas, Espana, Manila. 2004-2008

*Bachelor of Science in Biology*

- Summa cum laude, College of Science, University of Santo Tomas, Espana, Manila. 2000-2004

## CLINICAL OBSERVERSHIPS

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*Advanced Radiotherapy (SRS/SBRT, VMAT, Tomo, IGRT) for CNS, ORL and Thoracic Tumors, Sarcomas, Lymphomas*

- Institute Gustave Roussy, Villejuif, France, May – Oct 2016

*Advanced Brachytherapy (Focal BT for Prostate, POBT for ORL Cancers, Multicatheter ISBT for APBI)*

- Interdisciplinary Brachytherapy Unit, Universitätsklinikum Schleswig-Holstein - Lübeck, Germany, Sept - Oct 2016

*Advanced Brachytherapy (HDR, PDR, IGBT, ISBT) for ORL, GI, Gynecologic, Urologic, and Pediatric Cancers*

- Institute Gustave Roussy, Villejuif, France, Jul 2015 – Apr 2016

*Brachytherapy (HDR, ISBT) for Skin, ORL, Breast, Thoracic, Gynecologic, Penile, and Anal Canal Cancers, and Sarcomas*

- Tata Memorial Center, Parel, Mumbai, India, Feb 2015 – May 2015

*Interstitial and Endocavitary Brachytherapy for ORL Cancers*

- Bệnh viện Ung bướu, Ho Chi Minh City, Vietnam, Nov 2014 – Jan 2015

## WORKSHOPS AND TRAINING COURSES

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### Clinical

*Second USTH BCI BTU Brachytherapy Masterclass: Head-and-Neck Brachytherapy (Course Director)*

- USTH-BCI 14<sup>th</sup> Annual Cancer Conference: Current Spoken & Unspoken Concerns in Head & Neck Cancer Care. 7-9 November 2019

*ESTRO Teaching Course: Interdisciplinary SBRT/SRS: One-Day Bootcamp*

- European Society for Radiotherapy and Oncology. 12 May 2023

*Cancer Commons Trilogy: Radiation Safety Refresher Course for Therapeutic Radiation and Radioactive Materials*

- UP-PGH Department of Radiology – Division of Radiation Oncology. 7-8 July 2022.

*GEC-ESTRO Online Brachytherapy Workshop*

- GEC-ESTRO. Online Workshop. 9-10 February 2022

*Global Retinoblastoma Academy*

- St Jude Children's Research Hospital. Online Course. March 2021 - May 2021

*First USTH BCI BTU Brachytherapy Masterclass: Prostate Brachytherapy (Course Co-Director)*

- USTH-BCI 13<sup>th</sup> Annual Cancer Conference: Current and Future Perspectives in the Management of Genitourinary Malignancies. 6 November 2019

*ESTRO Teaching Course: Palliative Care and Radiotherapy*

- European Society for Radiotherapy and Oncology. 26-28 March 2019

*BrachyAcademy Masterclass in Interstitial Multi-Catheter Breast Brachytherapy*

- NUHS, Singapore. 8-9 Apr 2018

*ESTRO Teaching Course: Basic Clinical Radiobiology*

- European Society for Radiotherapy and Oncology. Institut Gustave Roussy, Villejuif, France. 16-20 Sept 2017

*Curiethérapie en gynécologie et urologie*

- L'Ecole des Sciences du Cancer. Institut Gustave Roussy. 1-2 December 2016

*Interdisciplinary Teaching Course in Head-and-Neck Brachytherapy*

- Università Cattolica del Sacro Cuore - Policlinico Universitario Agostino Gemelli, Rome, Italy. 20-22 May 2016

*Cours nationaux de curiethérapie*

- Société Française des Jeunes Radiothérapeutes Oncologues. Nice, France. 3-5 March 2016

*Radioisotope Techniques Training Course*

- Nuclear Training Center, Philippine Nuclear Research Institute, Quezon City, PH. 4-29 Jul 2011

### Research

*First USTH BCI CRU Research Workshop/ Fourth UST SSAS Slikisik at Salin Seminar: Paglikha at Pagsasalin ng mga Talatanungan para sa Pananaliksik (Course Co-Director)*

- University of Santo Tomas Hospital -Benavides Cancer Institute - Clinical Research Unit; University of Santo Tomas - Sentro sa Salin at Araling Salin. 5 and 12 August 2023.

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*PHREB – PCHRD – DOST Basic Research Ethics Training.*

- Philippine Health Research Ethics Board. Virtual. 17-18 July 2023

*UP-NIH Capacity Strengthening Activity: ERE Committee Workshop*

- University of the Philippines -National Institutes of Health. Quezon City. 23-24 November 2022

*UP-NIH Capacity Strengthening Activity: COI Committee Workshop*

- University of the Philippines -National Institutes of Health. Virtual. 9 September 2022

*3<sup>rd</sup> PHREB Biennial Conference*

- Philippine Health Research Ethics Board. Taguig City, PH. 9-10 November 2021

*Advanced Good Clinical Practice Workshop: Back to Basics*

- Research Center for Health Sciences, University of Santo Tomas – Faculty of Medicine and Surgery. 15 May 2021

*Meta-Analysis Workshop*

- 35<sup>th</sup> Clinical Epidemiology Anniversary, University of the Philippines – Manila. 17 October 2019

*2<sup>nd</sup> PHREB Biennial Conference: Addressing Current Challenges in Health Research Ethics*

- Philippine Health Research Ethics Board. Pasay City, PH. 27-28 November 2018

*Australia and Asia Pacific Clinical Oncology Research Development (ACORD) Workshop*

- Medical Oncology Group of Australia. 9-14 September 2018

*NCI USAID Implementation Science Master Course*

- USAID Asia Regional Training Center, Bangkok, Thailand. 15-17 September 2015

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### Academic

*Towards A Signature Pedagogy in Higher Education*

- UST Center for Innovative Teaching and Educational Delivery and UST Educational Technology Center. 7-8 February 2019

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### Leadership and Managerial

*UICC Master Course: Engaging in Law and Policy for Cancer Prevention and Control*

- Union for International Cancer Control. McCabe Centre for Law and Cancer. Online Course. 17 April – 21 June 2023.

*IHI Open School Basic Certificate in Quality and Safety*

- Institute for Healthcare Improvement. St. Jude Children’s Research Hospital. Online Course. 19 September - 8 October 2022

*Fifth JTOP Team Science Oncology Workshop (International Mentor)*

- Japan Team Oncology Program. Virtual Conference. 22-23 January, 26-27 February, 2022

*Fourth JTOP Team Science Oncology Workshop (International Tutor)*

- Japan Team Oncology Program. Virtual Conference. 23 January, 22 February, 27 March 2021

*Third JTOP Team Science Oncology Workshop (International Tutor)*

- Japan Team Oncology Program. Tokyo, Japan. 22-24 Nov 2019

*Second JTOP Team Science Oncology Workshop (Participant)*

- Japan Team Oncology Program. Tokyo, Japan. 25-27 Jan 2019

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## CONFERENCES

*ESTRO 2023 Congress*

- European Society for Radiotherapy and Oncology. Vienna, Austria. 12-16 May 2023.

*PROS Annual Convention: It’s Complicated: Management of Oncologic Recurrences*

- Philippine Radiation Oncology Society. Virtual Conference. 28-31 March 2023

*PROS Annual Convention: Challenging Local Cases: “Ano Ba ‘Yan? Pa’no Ba Ito?”*

- Philippine Radiation Oncology Society. Virtual Conference. 28-31 March 2022

*5th FARO Meeting: Radiating Together for a Stronger Asia.*

- Federation of Asian Organizations for Radiation Oncology; Philippine Radiation Oncology Society. Virtual Conference. 1-3 October 2021

*ESTRO World Congress of Brachytherapy*

- European Society for Radiotherapy and Oncology. Virtual Convention. 6-8 May 2021

*73<sup>rd</sup> PCR Annual Convention: Abdominopelvic Oncologic Imaging and Therapy*

- Philippine College of Radiology. Virtual Convention. 22-26 February 2021

*ESTRO Meets Asia*

- European Society for Radiotherapy and Oncology; Federation of Asian Organizations for Radiation Oncology. Singapore. 7-9 December 2018.

*12<sup>th</sup> USTH – BCI Annual Cancer Conference: Towards Personalized and Holistic Care for Breast Cancer*

- UST Hospital – Benavides Cancer Institute; MD Anderson Cancer Center; American Society of Clinical Oncology. 14-16 November 2018.

*2018 World Cancer Congress*

- Union for International Cancer Control. Kuala Lumpur, Malaysia. 1-4 October 2018

*ESTRO 37 Congress*

- European Society for Radiotherapy and Oncology. Barcelona, Spain. 20-24 April 2018
- 70<sup>th</sup> PCR Annual Convention: *Oncologic Imaging: All Eyes on the Big C*
  - Philippine College of Radiology. 15-17 February 2018
- 11<sup>th</sup> USTH – BCI Annual Cancer Conference: *Multidisciplinary Team for Evidence-Based Management in Thoracic Oncology in Low to Middle Income Countries*
  - UST Hospital – Benavides Cancer Institute; MD Anderson Cancer Center; International Association for the Study of Lung Cancer. 8-11 November 2017.
- IAEA Second International Conference on Advances in Radiation Oncology (ICARO2)
  - International Atomic Energy Agency. Vienna, Austria. 20-23 June 2017
- ESTRO 36 Congress
  - European Society for Radiotherapy and Oncology. Vienna, Austria. 5-9 May 2017
- ESTRO 35 Congress
  - European Society for Radiotherapy and Oncology. Turin, Italy. 29 April – 3 May 2016
- ASTRO-SEAROG-PROS Educational Symposium: *Integrating Tomorrow's Therapeutic Modalities For Common Cancers Today*
  - Southeast Asia Radiation Oncology Group. Pasay City, Manila, Philippines. 7-9 March 2013
- 21<sup>st</sup> Asia Pacific Cancer Conference: *The Science and Strategy of Cancer Control.*
  - Kuala Lumpur, Malaysia. 10-12 November 2011
- ASTRO-SEAROG-PROS Educational Symposium: *Image-Based Radiotherapy for Common Cancers in the Region*
  - Southeast Asia Radiation Oncology Group. Taguig City, Philippines. 24-26 February 2011
- ASTRO-SEAROG-PROS Educational Symposium: *Advancing from 2D to 3D Conformal Radiotherapy and IMRT*
  - Southeast Asia Radiation Oncology Group. Taguig City, Philippines. 22-23 February 2011
- PROS Annual Convention: *Quality Assurance in Radiation Oncology*
  - Philippine Radiation Oncology Society. Manila, Philippines. 17-18 February 2010

## SPEAKING ENGAGEMENTS

### Lecturer/Speaker

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- Role of Radiotherapy in the interdisciplinary management of adult extremity soft-tissue sarcomas.*
    - East Avenue Medical Center - Department of Orthopaedics Post-Graduate Course: Acting Local, Thinking Global. Identifying Silver Linings in Philippine Musculoskeletal Oncology Practice. 15 July 2023.
  - Establishing an advanced brachytherapy for cervical cancer in resource-limited settings.*
    - Société Tunisienne d'Oncologie Radiothérapie - Turkish Society for Radiation Oncology - Joint Gynecological Brachytherapy Workshop. 3 June 2023 (online faculty).
  - Pagbuo, Pagsuri at Pagsubok ng Bersyong Filipino ng Expanded Prostate Index Composite (EPIC-F)*
    - Salintasan 2023. University of Santo Tomas – Sentro ng Salin at Araling-Salin. 20 April 2023
  - Improving outcomes in cervical cancer treatment through increased access to advanced brachytherapy.*
    - Philippine National Cancer Summit. 23 February 2023.
  - HDR Brachytherapy in Prostate Cancer*
    - Point-Counterpoint Discussion: Controversies in Prostate Cancer Management. 22 October 2022
  - Radiotherapy in the Management of Malignant Spinal Cord Compression*
    - An Integrated Approach to the Management of Metastatic Spinal Cord Compression. 6 October 2022
  - Radiation Oncology in the Philippines: Current Status and Future Directions*
    - Likhaynayan: Exploring the Past, Present and Future Spectacles of Biophysics. Philippine Normal University – The National Center for Teacher Education. 6 August 2022
  - Cancer in Skin of Colour*
    - ESTRO 2022 Brachytherapy Pre-Meeting Course: Multi-disciplinary approach to high-risk skin cancer with special focus on brachytherapy. 6 May 2022. Copenhagen, Denmark (online faculty).
  - Paglikha, Pagsalin at Balidasyon ng Talatanungan*
    - Saliksik at Salin 2021. UST-Sentro sa Salin at Araling Salin. 1 July 2021
  - Radiation Therapy for Oropharyngeal Cancer*
    - 18<sup>th</sup> Surgical Forum: The Annual Convention of the Philippine Society of General Surgeons, Inc. 8 August 2020
  - Overview of Prostate Brachytherapy*
    - Prostate Brachytherapy Masterclass. USTH – Benavides Cancer Institute 13<sup>th</sup> Annual Cancer Conference. 6 November 2019
  - Updates in Radiotherapy for Breast Cancer*
    - Let's Be Abreast: Essentials in Comprehensive Breast Cancer Management. De Los Santos Medical Center – Department of Surgery Post-Graduate Course. 12 October 2019
  - Radiotherapy in The Multi-Modality Management of Adult Extremity Soft-Tissue Sarcomas*
    - Multidisciplinary Adult Extremity Sarcoma Course. USTH – Benavides Cancer Institute. 11 July 2019
  - Role of Radiotherapy in Breast Cancer*
    - Tumor Conference. Manila Doctors Hospital – Committee on Medical Education and Training. 15 October 2018
  - Image-guided Brachytherapy: Clinical Evidence for Dose-Volume Effects for Disease Control, Morbidity and QOL Outcomes*
    - 12<sup>th</sup> PROS Annual Convention. Makati, PH. 27-28 Apr 2018

*Radiotherapy and Brachytherapy in the Multi-Modality Management of Pediatric Sarcomas*

- Philippine Children's Medical Center. 7 Feb 2018

*Radiotherapy and Brachytherapy Applications in Breast Cancer*

- Pangasinan Medical Society 2015 Annual Conference. 21 Jan 2015

*Aims and Role of External Beam Radiotherapy*

- Radiation Safety Course for Health Professionals. UST Hospital, España, Manila, PH. 22-23 Mar 2014

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#### Panelist

*Dilemmas and Decision in Managing Recurrent Breast Cancer*

- 20<sup>th</sup> Surgical Forum. Philippine Society of General Surgeons. 4 August 2022

*Triple Negative Breast Cancer*

- Second Webinar Series. Philippine Society of Breast Surgeons. 15 October 2021

*Multidisciplinary Care in the Management of Breast Cancer*

- Empowering PH: Empowering Physicians, Patients, Patient-Partners, Planet and Heart. PCP Western Visayas - Panay Chapter Post-Graduate Course. 27-28 February 2020

*Primary Cervical Signet Ring Cell Carcinoma*

- Tumor Conference. Manila Doctors Hospital – Department of Obstetrics and Gynecology. 30 September 2019

*Resolving Conflicts in Head and Neck Surgery: Management of the Metastatic Cervical Lymph Node of Unknown Primary*

- Philippine College of Surgeons. 3 December 2018.

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#### Facilitator

*Good Clinical Practice: A Practical Guide*

- UST Hospital – UMED. 23 May 2022

*Good Clinical Practice: Back To Basics*

- UST Research Center for Health Sciences. 30 April 2022

*Advances in Brachytherapy for Cervical Cancer*

- 5<sup>th</sup> FARO Meeting: Radiating Together for a Stronger Asia. 1-3 October 2021

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### **PRESENTED RESEARCH**

#### Oral

Bacorro W, Baldivia K, Mariano J, et al. *Patient Decision Aid for Chemotherapy or Exclusion in Cisplatin-Intolerant Patients with Locally Advanced Cervical Cancer (CECIL): Development and Testing*. Federation of Asian Radiation Oncology Organizations (FARO). FARO Research Network (FeRN) Workshop 2023. Mumbai, India. 11-19 August 2023

Bacorro W, Baldivia K, Yu K, et al. *Primary Radiotherapy in Cisplatin-Intolerant Advanced Cervical Cancer Patients: A Meta-Analysis*. ESTRO 2023. Vienna Austria. 12-16 May 2023

Bacorro W, Balid-Altwell SA, Sogono PG, et al. *Factors in sustained compliance to a symptom-reporting mobile application: implications for clinical implementation*. 2018 World Cancer Congress. Kuala Lumpur, Malaysia. 1-4 October 2018

Bacorro W, Elena M, Dumas I, et al. *Nodal simultaneous integrated boost in cervical cancer: acute toxicity and impact on treatment compliance*. ESTRO 37 Congress. Barcelona, Spain. 20-24 Apr 2018

Bacorro W, Mazon R, Dumas I, et al. *Cervix cancer: dose-volume effects in pathologic lymph nodes*. ESTRO 36 Congress. Vienna, Austria. 5-9 May 2017

Bacorro W, Mazon R, Dumas I, et al. *Cervix cancer: dose-volume effects in pathologic lymph nodes*. IAEA Second International Conference on Advances in Radiation Oncology (ICARO2). Vienna, Austria. 20-23 Jun 2017

Bacorro W, Dumas I, Levy A, et al. *Dose contribution to pelvic nodes of image-guided brachytherapy in cervical cancer*. ESTRO 36 Congress. Vienna, Austria. 5-9 May 2017

Bacorro W, Dumas I, Levy A, et al. *Dose contribution to pelvic nodes of image-guided brachytherapy in cervical cancer*. IAEA Second International Conference on Advances in Radiation Oncology (ICARO2). Vienna, Austria. 20-23 Jun 2017

Bacorro W, Sy Ortin T, Suarez C, et al. *Validity, reliability and sensitivity testing of a Filipino translation of the MD Anderson Symptom Inventory for Head and Neck (MDASI – HN - F)*. MD Anderson GAP 2013 Conference. Houston, Texas, USA. 3-5 Apr 2013

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#### Poster

Bacorro W, Cabrera S, Bojador M, Dumago M, Baldivia K, Sy Ortin T. *Hypofractionation with nodal SIB in cervical cancers: dummy run for the HYACINCT trial*. ESTRO 2023. Vienna Austria. 12-16 May 2023

Yap E, Jacomina L, Dumago M, Jainar C, Cabrera S, Bojador M, Genson J, Bautista A, Mariano J, Gonzales G, Sy Ortin T, and Bacorro W. *Clinical Outcomes of Single-Application Multifractionated CT-Guided Interstitial High-Dose-rate Brachytherapy for Locally Advanced Cervical Cancer: A Multi-Institution Experience*. ESTRO 2023. Vienna Austria. 12-16 May 2023

Ocampo OO, Manalastas MD, Cepeda MA, Co CS, Fuentes JRF, Soliman MCV, Bacorro WR, et al, in behalf of the Colorectal CPG Task Force. *Colorectal National Clinical Practice Guidelines*. 19<sup>th</sup> Philippine National Health Research Forum for Action. Quezon City, Philippines. 20 October 2022

Yap E, Cabrera S, Bojador M, Bacorro W, Sy Ortin T. *Recurrent Orbital Mesenchymal Sarcoma: A Contemporary Approach*. ESTRO World Congress of Brachytherapy. Virtual Congress. 6-8 May 2021

- Sy Ortin T, Reyes-Gibby C, Que J, Bacorro W, et al. *Functionality and end-user acceptability of the Internet-based Computerized Patient Assessment System (iComPASS), a mobile symptom monitoring system*. IARC @ 50 Conference 2016. Lyon, France. 8-10 Jun 2016
- Bacorro W, Gutierrez RM, Sy Ortin T, et al. *Web-based patient-reported outcomes monitoring for adult Filipino cancer patients: a cross-sectional analysis of needs, acceptance and readiness*. IARC @ 50 Conference 2016. Lyon, France. 8-10 Jun 2016
- Bacorro W, Escuadra C, Gutierrez RM, et al. *Development and validation of the Web-Based Patient-Reported Outcomes Capture System – Needs, Acceptance and Readiness Assessment (WPROCS – NARA) Questionnaires*. IARC @ 50 Conference 2016. Lyon, France. 8-10 Jun 2016
- Bacorro W, Marzan M, Villafior V III, Ramirez F, Duque F, Villafior V Jr, and Pitargue R. *Quality of care and survival outcomes in breast and colorectal cancers at Dagupan Doctors Villafior Memorial Hospital - Cancer Institute*. International Forum on Quality and Safety in Healthcare – Asia. Singapore. 28-30 September 2015
- Bacorro W, Mejia M, Sy Ortin T. *Familial clustering in Filipino nasopharyngeal carcinoma: clinical profiles of thirteen cases*. 21<sup>st</sup> Asia Pacific Cancer Conference. Kuala Lumpur, Malaysia. 10-12 Nov 2011

## PUBLICATIONS

### Primary Author

#### Book chapter

- Bacorro W, Ochieng P, Fabusiwa K, and Pantoja A. “Dermatology and Oncology in Skin of Colour” in Rembielak A and Tagliagerrri L (Eds) “Non-melanoma Skin Cancer: Essentials for Oncologists” 1<sup>st</sup> Edition, CRC Press, 2023.
- Bacorro W, Mejia M, Van Limbergen E, Wee J, Chua M. “Nasopharynx cancer” in Van Limbergen E, Potter R, Hoskin P and Baltas D (Eds) “The GEC ESTRO Handbook of Brachytherapy” 2nd Edition, European Society for Radiotherapy and Oncology, 2019
- Bacorro W, Coraggio G, Bossi A. “Adjuvant radiotherapy post-surgery. ¿Should we irradiate all patients?” Controversies in Prostate Cancer III, Emiral Ediciones, 2017. ISBN: 978-84-617-7784-6

#### Journal articles

- Bacorro W, Fourati N, Turki H, et al. *A Protocol for International Consensus Guideline Development on the Delineation of Radiotherapy Target Volumes for Nasopharyngeal Carcinoma after Induction Chemotherapy*. 2023 November. DOI: 10.21037/anpc-23-1
- Bacorro W, Genson J, Dueñas A, et al. *A simple fabrication technique of a personalized endocavitary brachytherapy applicator for maxillary alveolar cancer*. Journal of Contemporary Brachytherapy. 2023 November. DOI pending.
- Bacorro W, Olonan B, Co H, Fineza-Dela Cruz A. *Challenges and Opportunities in the Implementation of Advanced Brachytherapy Programs for Cervical Cancer in the Philippines*. Asia-Pacific Journal of Clinical Oncology. 2023 September. DOI 10.1111/ajco.14012
- Bacorro W, Baldivia K, Mariano J, et al. *Patient Decision Aid for Chemotherapy or Exclusion in Cisplatin-Intolerant Patients with Locally Advanced Cervical Cancer (CECIL): Development, Alpha Testing and Peer Validation*. JCO Global Oncology 9: e2300096. 2023 September. DOI: 10.1200/GO.23.00096.
- Bacorro W, Baldivia K, Mariano J, et al. *Patient Decision Aid for Chemotherapy or Exclusion in Cisplatin-Intolerant Patients with Locally Advanced Cervical Cancer (CECIL): Protocol for Development, Validation and Clinical Testing*. J Hosp Manage and Health Policy. 2023 July. DOI:10.21037/jhmhp-23-9.
- Bacorro W, Cabrera S, Bojador M, et al. *Feasibility of hypofractionated pelvic radiotherapy with parametrial and nodal simultaneous integrated boost for locally advanced cervical cancers: results of the dummy run for the HYACINCT trial*. Asian Journal of Oncology. 2023 June. DOI:10.25259/ASJO\_2\_2023.
- Bacorro W, Tordesillas D, Dumago M, et al. *Development and Pilot-Testing of the Expanded Prostate Index Composite – Filipino Version (EPIC-F)*. Asia-Pacific Journal of Clinical Oncology. 2022 Dec 4. DOI:10.1111/ajco13894
- Bacorro W, Baldivia K, Yu K, et al. *Outcomes with definitive radiotherapy with or without chemotherapy among patients with locally advanced cervical cancer with relative or absolute contraindications to chemotherapy: a systematic review and meta-analysis*. Gynecologic Oncology 20 Jun 2022. DOI: 10.1016/j.ygyno.2022.06.018.
- Bacorro W, Baldivia K, Dumago M, et al. *Phase 1/2 trial evaluating the effectiveness and safety of dose-adapted Hypofractionated pelvic radiotherapy for Advanced Cervical cancers INeligible for ChemoTherapy (HYACINCT)*. Acta Oncologica 61:6,688-697. 2022. DOI: 10.1080/0284186X.2022.2048070
- Bacorro W, Gutierrez R, Escuadra C, et al. *Internet-based Computerized Patient Assessment System (iComPASS): a cross-sectional analysis of needs, acceptance and readiness among adult cancer patients in a tertiary care center*. J Hosp Manag Health Policy 2018. doi:10.21037/jhmhp.2018.05.04
- Bacorro W, Gutierrez R, Escuadra C, et al. *Development and validation of the Web-Based Patient-Reported Outcomes Capture System- Needs, Acceptance and Readiness Assessment (WPROCS-NARA) questionnaires*. J Hosp Manag Health Policy 2018. doi:10.21037/jhmhp.2018.05.03
- Bacorro W, Balid-Altwell SA, Sogono PG, et al. *Factors in sustained compliance to a symptom-reporting mobile application: implications for clinical implementation*. J Hosp Manag Health Policy 2018. doi:10.21037/jhmhp.2018.04.01
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- Bacorro W, Balidivia K, Mariano J, et al. *Patient decision aid for chemotherapy or exclusion in cisplatin-intolerant patients with locally advanced cervical cancer (CECIL): Development, alpha testing, and peer-validation*. 2023 ASCO Annual Meeting Proceedings. Abstract e13506. J Clin Oncol. 2023 May 41. doi:10.1200/JCO.2023.41.16\_suppl.e13506
- Bacorro W, Cabrera SR, Bojador MR, et al. *Hypofractionation with nodal SIB in cervical cancers: dummy run for the HYACINCT trial*. Radiotherapy and Oncology 2023 May;182(S1):1457-1459.
- Bacorro W, Baldivia K, Yu K, et al. *Primary Radiotherapy in Cisplatin-Intolerant Advanced Cervical Cancer Patients: A Meta- Analysis*. Radiotherapy and Oncology 2023 May;182(S1):15-16.
- Bacorro W, Manea N, Dumas I, et al. *Simultaneous integrated nodal boost in cervical cancer: acute toxicity and treatment compliance*. Radiat Oncol. 2018 Apr 127:S816-S817. doi:10.1016/S0167-8140(18)31815-2
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#### Co-Author

##### Book chapter

- Bossi A, Bacorro W, and Coraggio G. "Radiotherapy for Localized and Locally Advanced Prostate Cancer" in A. S. Merseburger, M. Burger (eds.) Urologic Oncology, 2018. doi:10.1007/978-3-319-42603-7\_74-1

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##### Journal articles

- Yap E, Tan CL, ..., Bacorro W, Mejia M, and Sy Ortin T. *Teleconsultation Perceptions of Medical and Radiation Oncologists in the COVID-19 and Post-COVID-19 Era: A National Survey in the Philippines*. JCO Glob Oncol. 2023 Jun;9:e2200370. doi: 10.1200/GO.22.00370.
- Jacomina L, Lim I, ..., Bacorro W, Mejia M, and Sy Ortin T. *Patients' and Caregivers' Perception of Safety and Accessibility of Cancer Care During the COVID-19 Pandemic: A Survey in a Tertiary Academic Cancer Center in the Philippines*. Journal of Medicine – University of Santo Tomas. 2023 April. doi: 10.35460/2546-1621.2021-0018
- Dumago M, Yu K, ..., Bacorro W, & Mejia M. *Technical details and clinical outcomes after high-dose-rate intracavitary brachytherapy for squamous cell carcinoma of external auditory canal and external beam radiotherapy for nodal coverage: A case report*. Journal of Contemporary Brachytherapy. 2023 Feb. doi:10.5114/jcb.2023.125481
- Agas R, Co L, ..., Bacorro W, and Sy Ortin T. *Assessing the effect of radiotherapy in addition to surgery in colon adenocarcinomas: a systematic review and meta-analysis of contemporary evidence*. J Gastrointestinal Cancer 2019 Aug. doi:10.1007/s12029-019-00300-2
- Agas R, Yu K, ..., Bacorro W, and Mejia M. *Reirradiation for recurrent nasopharyngeal carcinomas: experience from an academic tertiary center in a low- to middle-income country*. J Global Oncol 2019 Feb;5:1-14 doi:10.1200/JGO.18.00191
- Agas R, Co L, ..., Bacorro W, and Sy Ortin T. *Neoadjuvant radiotherapy versus no radiotherapy for stage IV rectal cancer: a systematic review and meta-analysis*. J Gastrointestinal Cancer 2018 Jul doi:10.1007/s12029-018-0141-0
- Mejia M, Bacorro W, and Sogono P. *Nasopharyngeal carcinoma contouring guidelines—the first step in a thousand mile journey*. Ann Nasopharynx Cancer 2018;2:8. doi:10.21037/anpc.2018.04.05
- Sogono P, Bacorro W, Sideno J, et al. *Functionality and end-user acceptability of the Internet-based Computerized Patient Assessment System (iComPAsS), a mobile symptom monitoring system*. J Hosp Manag Health Policy 2018. doi:10.21037/jhmhp.2018.04.08
- Chargari C, Martelli H, Guérin F, Bacorro W, et al. *Pulsed-dose rate brachytherapy for pediatric bladder prostate rhabdomyosarcoma: Compliance and early clinical results*. Radiother Oncol. 2017 Aug;124(2):285-290. doi:10.1016/j.radonc.2017.07.010.
- Mazeron R, Gouy S, ..., Bacorro W et al. *Locally advanced cervical cancer: Is it relevant to report image-guided adaptive brachytherapy using point A dose?* Brachytherapy. 2017 Jul-Aug;16(4):862-869. doi:10.1016/j.brachy.2017.04.244.
- Escande A, Gouy S, ..., Bacorro W, et al. *Outcome of early stage cervical cancer patients treated according to a radiosurgical approach: Clinical results and prognostic factors*. Gynecol Oncol 2017 Mar;144(3):541-546. doi:10.1016/j.ygyno.2016.12.026.
- Sy Ortin T, Mejia M, ..., Bacorro W et al. *Clinical audit of breast cancer care at the Benavides Cancer Institute, University of Santo Tomas Manila, Philippines: Part 1, methods and tools*. J Clinical Audit Volume 2015;7:1-12

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#### Abstracts

- Yap E, Bacorro W, Sy Ortin, et al. *Single application CT-based interstitial high-dose-rate brachytherapy for cervical cancer*. Radiotherapy and Oncology 2023 May;182(S1):1937-1938.
- Wong M, Bacorro W, Van T, et al. *High dose rate (HDR) interstitial brachytherapy and external beam (EBRT) as primary treatment of stage III-IV oropharynx squamous cell carcinoma*. Brachytherapy 2015 May-Jun;14(S1):S46-S47. doi:10.1016/j.brachy.2015.02.270

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<https://ph.linkedin.com/in/warren-bacorro-38816a4a/fr>



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## Journal Articles

- Chua V, Yu K, ..., and [Bacorro W](#). *Quality of Life among Survivors of Locally Advanced Cervical Cancer Treated with Definitive Chemoradiotherapy in a Decade of Transition*. *Asian J Oncol* 2022;00:1–19. DOI: 10.1055/s-0042-1744300.
- Yap E, Cabrera S, ..., and [Bacorro W](#). *Orbital mold brachytherapy for recurrent orbital mesenchymal chondrosarcoma: a case report*. *Journal of Contemporary Brachytherapy* 2021;13,6:694-700. 29 December 2021. DOI: 10.5114/jcb.2021.112121
- Jacolina L, Garcia M, ..., and [Bacorro W](#). *Chemoradiotherapy in patient with locally advanced small cell neuroendocrine carcinoma of the cervix complicated by pelvic organ prolapse: a case report*. *Gynecol Oncol Reports* 37. 2021 August. DOI: 10.1016/j.gore.2021.100832
- Ver A, Notarte K, ..., and [Bacorro W](#). *A systematic review of the barriers to implementing human papillomavirus vaccination programs in low- and middle-income countries in the Asia-Pacific*. *Asia Pac J Clin Oncol*. 2021 Feb 26. doi: 10.1111/ajco.13513.
- Co, L, Agas, R, ..., and [Bacorro W](#). *Radiotherapy dose escalation in the primary treatment of nasopharyngeal carcinoma: a systematic review and meta-analysis*. *Ann Nasopharynx Cancer* 2019;3. doi: 10.21037/anpc.2019.04.01
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## Abstracts

- Yap E, [Bacorro W](#), Sy Ortin, T. PO-0264 *Orbital mold brachytherapy for recurrent orbital mesenchymal sarcoma: a contemporary approach*. May 2021. *Radiotherapy and Oncology* 158:S217-S218. DOI: 10.1016/S0167-8140(21)06423-9

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## COMPLETED PROJECTS

- Site Primary Investigator. *A phase III randomized, multi-center, double-blind, global study to determine the efficacy and safety of durvalumab in combination with and following chemoradiotherapy compared to chemoradiotherapy alone for treatment in women with locally advanced cervical cancer (CALLA)*. Concluded July 2023.
- Primary Investigator. *Development of Ilocano and Pangasinense translations of the EORTC Quality of Life Module for Head-and-Neck (H&N35)*([Bacorro W](#), Marzan M, Wi Z, Del Rosario O, Villaflor V III, Ramirez F, Pitargue R). Completed June 2016
- Primary Investigator. *Development of Ilocano and Pangasinense translations of the EORTC Quality of Life Questionnaire Module for Cervix (CX24)*([Bacorro W](#), Marzan M, Ramirez F, Garcia V, Cacho R, Pitargue R). Completed June 2016
- Co-Investigator. *Mobile reporting and evaluation of symptoms among cancer patients* (Sy Ortin T, Reyes-Gibby C, Que J, [Bacorro W](#), et al). Completed July 2017. Awarded to Sy Ortin the Conquer Cancer Foundation Grant of the American Society of Clinical Oncology, January 2016
- Site Sub-Investigator. *Phase III, double-blind, placebo-controlled study of post-operative adjuvant concurrent chemoradiotherapy with or without nimotuzumab for Stage III/IV head and neck squamous cell cancer (IHN01)(International Head and Neck Cancer Group) (NCT00702481)*. Closed for recruitment 2016.

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## ONGOING PROJECTS

- Senior Author/Adviser. *Trends in head-and-neck brachytherapy : a scientometric analysis*
- Implementing agency: University of Santo Tomas Hospital – Benavides Cancer Institute
  - Initiated August 2023.
  - Data extraction and analysis ongoing.
- Consensus Panel. *No compromise on quality of life by palliative radiotherapy – 2 (NORMALITY 2)*.
- Implementing Agency: Associazione Italiana Radioterapia e Oncologic Clinica (AROI); Fondazione Policlinico Universitario Agostino Gemelli IRCCS; La Rete del Sollievo
  - Initiated June 2023
  - Consensus Panel Inputs and Evidence Review ongoing.
- Project Lead, Oversight and Coordination. *International nasopharyngeal cancer post-induction chemotherapy radiotherapy target volumes delineation consensus project (PHRR230911-006104)*.
- Implementing agency: University of Santo Tomas Hospital – Benavides Cancer Institute; University of Sfax – Faculty of Medicine
  - Initiated June 2023.
  - Evidence Review ongoing.
- Senior Investigator/Adviser. *Durable Clinical Response to Radiotherapy in an Unresectable Masticator Space Nodular Fasciitis*
- Implementing agency: University of Santo Tomas Hospital – Benavides Cancer Institute
  - Collaborators: Manila Doctors Hospital
  - Initiated June 2023.
  - Manuscript submitted to *Frontiers of Oral and Maxillofacial Medicine* (September 2023).
- Senior Investigator/Adviser. *Human Papilloma Virus-Related Head and Neck Squamous Cell Carcinoma: Incidence and Trends in East Avenue Medical Center*.
- Implementing agency: East Avenue Medical Center
  - Initiated June 2023.
  - Protocol Technical Review ongoing.
- Senior Author/Adviser. *The evolving landscape of head-and-neck brachytherapy (2017-2023) : a scoping review*.
- Implementing agency: University of Santo Tomas Hospital – Benavides Cancer Institute; Cardinal Santos Medical Center
  - Initiated May 2023.
  - Data extraction ongoing.
- Primary Investigator. *A simple fabrication technique for a personalized endocavitary brachytherapy applicator for alveolar cancer*.

- Implementing agency: Manila Doctors Hospital
- Initiated May 2023.
- Manuscript under peer review (Journal of Contemporary Brachytherapy).

Co-Investigator. *GEC-ESTRO Guidelines Update on Head and Neck HDR Brachytherapy.*

- Implementing agency: Groupe Européenne de Curiethérapie – European Society for Radiotherapy and Oncology.
- Initiated June 2022.
- Consensus draft ongoing.

Primary Investigator. *Development and Validation of a Patient Decision Aid for Chemotherapy or Exclusion Among Chemo-Ineligible Patients with Locally Advanced Cervical Cancers (CECIL) (NCT05701735)*

- Sponsor: Philippine Council for Health Research and Development – Scholarship for PhD in Health Research
- Implementing Agency: University of Santo Tomas Hospital – Benavides Cancer Institute
- Initiated November 2022
- Protocol published in the Journal of Hospital Management and Health Policy in July 2023.
- Prototype development and alpha testing published in JCO Global Oncology in September 2023.
- Beta-testing started August 2023.

Primary Investigator. *Phase 1/2 trial evaluating the effectiveness and safety of Hypofractionated pelvic radiotherapy for Advanced Cervical cancer INeligible for ChemoTherapy (HYACINCT) (NCT05210270)*

- Implementing Agency: University of Santo Tomas Hospital – Benavides Cancer Institute
- Clinical Trial Protocol published in Acta Oncologica 2022
- Dummy run published in the Asian Journal of Oncology in July 2023.
- Discussions on converting to a prospective observational study ongoing.

Co-Investigator. *Development and validation of the Dysgeusia Grading Scale for patients with head and neck cancers treated with intensity-modulated radiation therapy*

- Implementing Agency: University of Santo Tomas Hospital – Benavides Cancer Institute
- Initiated August 2021.
- Data collection ongoing.

Primary Investigator. *Validation of the Filipino Version of the Expanded Prostate Index Composite (EPIC-FILIPINO).*

- Sponsor: UST Research Center for Health Sciences
- Implementing Agency: University of Santo Tomas Hospital – Benavides Cancer Institute
- Collaborators: UST Center of Translation and Translation Studies
- Grant: RCHS Research Grant Project. July 2021
- Psychometric validation ongoing.

## SOCIO-CIVIC ACTIVITIES

### Speaker

*Coping with Radiotherapy for Head-and-Neck Cancer: Before, During and After Treatment (Lay Forum).*

- International Collaborative Oral, Head-and-Neck Cancer Teleconference. 16 April 2021

## AWARDS AND HONORS RECEIVED

*Outstanding Alumni Award, Colegio de San Juan de Letran – Manaoag. 3 December 2022*

*Recipient, IAEA – International Conference on Advances in Radiation Oncology (ICARO-2) Travel Grant. 20 June 2017*

*Recipient, ESTRO Junior Brachytherapy Travel Grant. 13 December 2016*

*Recipient, UICC ICRETT Fellowship. 18 Jun 2014*

*First Place, University of Santo Tomas Hospital Trainees Research Oral Presentation. España, Manila. 22 November 2013*

*Finalist, Ten Outstanding Students of the Philippines – NCR Chapter. Mandaluyong City, 30 May 2008*

*Class Valedictorian, University of Santo Tomas – Faculty of Medicine and Surgery, España, Manila, 15 Apr 2008*

*Summa cum laude, Degree of Medicine, University of Santo Tomas, España, Manila, 15 Apr 2008*

*Rector's Academic Award, University of Santo Tomas, España, Manila, 15 April 2008*

*BPI DOST Science Award, University of Santo Tomas, España, Manila, 8 April 2004*

*Class Salutatorian, University of Santo Tomas – College of Science, España, Manila, 25 Mar 2004*

*Summa cum laude, Bachelor of Science Major in Biology, University of Santo Tomas, España, Manila, 25 Mar 2004*

## OTHER COMPETENCIES

### Languages

*English.* Bilingual competency

*French.* Full professional working competency. TCF C1. DELF B2.

Updated 10 November 2023

