

Luis A. Rojas-Espailat MD.



PERSONAL INFORMATION

Date of Birth: July 16, 1974
Home: 8125 Grass Creek Dr. Sioux Falls, S.D. 57108
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BOARD CERTIFICATION

Obstetrics and Gynecology (ABOG 9008506), 12/11/2009 - current
Gynecologic Oncology (ABOG 9008506), 04/18/2012 - current

MEDICAL LICENSURE

Pennsylvania: MT-046864-T (inactive)
Ohio: 57.009555 (inactive)
South Dakota: 6020 (active)
Minnesota: 1952 (active for telemedicine)

EDUCATION

The Cleveland Clinic. Cleveland, OH.
2004 - 2007, Fellow in gynecologic oncology

Temple University Hospital. Philadelphia, PA.
2000 - 2004, Resident/Chief Resident in obstetrics and gynecology

Universidad Nacional Pedro Henrriquez Urena (UNPHU). Santo Domingo, Dominican Republic.
1991 - 1998, Doctor in medicine (magna Cum Laude)

ACADEMIC POSITIONS

Clinical Associate Professor 2011 – current
Department of obstetrics and gynecology
Sanford school of medicine. The University of South Dakota

Clinical Preceptor 2012 – 2013
Master of science in nursing program
Clarkson College, 101 South 42 st. Omaha, NE

Clinical Assistant Professor 2008 – 2011

Department of obstetrics and gynecology
Sanford school of medicine. The University of South Dakota

PROFESSIONAL APPOINTMENTS

2007 – Present. Avera McKennan Hospital and University Health Center
Active clinical/dental staff, obstetrics and gynecology department.

2007 – Present Avera Heart Hospital of South Dakota
Consulting staff in the medicine department

2013 – Present Avera Queen of Peace Hospital
Consulting Medical /Dental staff

ADMINISTRATIVE POSITIONS

Avera Health, Sioux Falls South Dakota.

2016 – Current. Vice President of Medical Oncology for The Avera Cancer Service Line.

2018 – Current. Member Avera Health Board of Directors.

Avera McKennan Hospital and University Health Care Center.

2017 – Current. Chair, Avera Cancer Institute Leadership Committee.

2016 – 2018. Voting Member Avera McKennan Hospital Board of Trustees.

2014 – 2016. Secretary / Treasurer of the medical staff.

2011 – 2014. Chair, Obstetrics and Gynecology.

2009 – 2011. Vice-Chair, Obstetrics and Gynecology.

2008 – 2016. Chair, Robotic Surgery Subcommittee.

2008 – 2016. Voting Member, Avera McKennan OR Committee.

2008 – 2010. Voting Member, Avera McKennan Foundation.

HONORS AND AWARDS

1991 – 1993 & 1996 – 1997. UNPHU's Academic Honor Board

6/2002. The Berlex Award teaching resident of the year

6/2004. Best Teaching Resident Award

6/2004. The Chief Resident's Award at Temple University Hospital

4/2005. The Minority Scholar in Cancer Research Award At the AACR 96th Annual Meeting

6/2005. Cleveland society of obstetrics and gynecology, best research project

6/2006. Cleveland society of obstetrics and gynecology, best research project

4/2009. Avera McKennan Hospital. Physician service excellence award

6/2013. The Honorable Dennis Daugaard, Governor of South Dakota, recognition. For excellence in teaching our future physicians and as active clinical faculty member of the University of South Dakota, Sanford School of Medicine.

PROFESSIONAL MEMBERSHIPS

Dominican Medical Association:

Member (No. 15268). 1998 – Present.

American Medical Association:

Member (No. 30802980031). 2001 – 2014.

Pennsylvania Medical Society:

Member, (No.30802980031). 2001 – 2004.

American Association for Cancer Research:
Associate member, (No. 118535). 2004 – 2010.

Society of Gynecologic Oncologists: (No. 10241)
Candidate member 2005 – 2012
Member, Clinical Practice Committee 2011 – 2012
Member, 2012 – present

American Congress of Obstetrics and Gynecology: (No, 0434390)
Junior fellow, 2000 – 2010
Fellow, 2010 – Present

South Dakota State Board of Medical Association:
Member, 2007 – present.

PRESENTATIONS AT NATIONAL MEETINGS

04/20/2005. Apoptotic pathways induced by ixabepilone in paclitaxel refractory ovarian carcinoma cells (poster presentation). AACR 96th Annual Meeting. Winner of the Minority Scholar in Cancer Research Award.

3/22/06. Optical Coherence Tomography as a Diagnostic Aid to Visual Inspection and Colposcopy for Pre-Invasive and Invasive Cancer of the Uterine Cervix (poster presentation). “The 37th Annual Meeting on Women’s Cancer” of the Society of Gynecologic Oncologists.

3/22/06. Molecular profiling of purified ovarian carcinoma cells from ascites demonstrates a novel resource for biomarker and prognostic studies (poster presentation). : “The 37th Annual Meeting on Women’s Cancer” of the Society of Gynecologic Oncologists.

3/22/06. Transmural intestinal involvement with ovarian, peritoneal or tubal cancer and the potential implications for therapies with bevacizumab (poster presentation). “The 37th Annual Meeting on Women’s Cancer” of the Society of Gynecologic Oncologists.

3/23/2007. PSMA3 and CRA are novel predictor genes of chemoresistance and survival in ovarian and peritoneal carcinoma patients (poster presentation). “The 38th Annual Meeting on Women’s Cancer” of the Society of Gynecologic Oncologists.

3/23/2007. Clinical Profile and Management of Gestational Trophoblastic Disease: The Experience in Developing Countries (poster presentation). “The 38th Annual Meeting on Women’s Cancer” of the Society of Gynecologic Oncologists.

3/22/2014. A low-carbohydrate nutritional program improves weight, insulin, and estrogenic parameters in obese patients with estrogen receptor positive endometrial cancer. (Poster Presentation). The 45th Annual Meeting on Women’s Cancer. The Society Of gynecologic Oncologists.

3/22/2014. A low-carbohydrate nutritional program improves adiposity, metabolic, and nutritional parameters in obese patients with estrogen receptor positive endometrial and breast cancer. (Poster Presentation). The 45th Annual Meeting on Women’s Cancer. The Society of Gynecologic Oncologists.

3/22/2014. Improved quality of life for early stage estrogen positive cancer survivors on a low-carbohydrate, calorie-restricted dietary intervention (Poster Presentation). The 45th Annual Meeting on Women’s Cancer. The Society of Gynecologic Oncologists.

PRESENTATIONS AT INTERNATIONAL MEETINGS

05/05/05. Optical Coherence Tomography as a Diagnostic Adjunct to Visual Inspection and Colposcopy for Pre-Invasive and Invasive Cancer of the Uterine Cervix (Poster presentation). 22nd International Human Papillomavirus Conference and Clinical Workshop, Vancouver, BC, Canada.

04/17/2015. Medicina Personalizada en el Manejo del Cáncer de Ovario. (Plenary presentation). XXII Congreso Dominicano de Obstetricia y Ginecología. Punta Cana, Dominican Republic.

04/17/2015. Cirugía Robótica en el Manejo del Cáncer Ginecológico. (Plenary presentation). XXII Congreso Dominicano de Obstetricia y Ginecología. Punta Cana, Dominican Republic.

09/28/2015. Feasibility of implementing routine genomic and proteomic profiling for advanced GYN malignancies (Poster presentation). The European Cancer Congress 2015. Vienna, Austria.

RESEARCH INTERESTS

Genomic profile guided cancer therapy for gynecologic malignancies.
Molecular profiling and genomic signatures of gynecologic malignancies.
Obesity and metabolism effects in endometrial malignancies.
Applications of minimally invasive technology in gynecologic cancers.
Clinical trial designs.

RESEARCH EXPERIENCE

Cooperative group trials: Principal investigator.

1. Gynecologic Oncology Group/NRG Oncology. 2008 – Present.
2. Member NRG Oncology Developmental Therapeutics Committee. 2015 – 2018

Hybrid trials (cooperative group/industry): Avera Health Principal investigator.

1. Trinova-3 Trial 2012 (20101129). A Phase 3 Randomized, Double-blind, Placebo-controlled, Multicenter Study of AMG 386 With Paclitaxel and Carboplatin as First-line Treatment of Subjects With FIGO Stage III-IV Epithelial Ovarian, Primary Peritoneal or Fallopian Tube Cancers, 2012.
2. GOG 3004 (D0818C00001). A Phase III, Randomized, Double Blind, Placebo Controlled, Multicentre Study of Ola.parib Maintenance Monotherapy in Patients with BRCA Mutated Advanced (FIGO Stage III-IV) Ovarian Cancer Following First Line Platinum Based Chemotherapy, 2013.
3. A Randomized, Double-Blind, Placebo-Controlled Phase II Study of VTX 2337 in Combination with Pegylated Liposomal Doxorubicin (PLD) in Patients with Recurrent or Persistent Epithelial Ovarian, Fallopian Tube or Primary Peritoneal Cancer, 2013.
4. PRIMA study 2016. A phase III study of Niraprib maintenance treatment.
5. TESARO first. Protocol 3000-03-005.

Institutional sponsored trials: Principal investigator.

1. Gynecologic Specimen Banking for Genomic and Genetic investigation (GSB Study). 2009 – Present.
2. Dietary intervention in the management of breast and endometrial cancer (Ideal Protein Study). 2010 – 2014.

Research Fellow:

1. 2004 – 2005 Translational Hematology and Oncology Research. Cancer Biology. Taussig Cancer Center. Cleveland Clinic.

PUBLICATIONS

Rojas-Espaillet, L.A.; Gonzalez, C.F.; Albuquerque, R.; Contreras, F.A: BARRETT's ESOPHAGUS: Behavior and risk factors of the disease, in middle-high socioeconomic status patients in the Dominican Republic. UNPHU 03/1998

Escobar, P.F; **Rojas-Espaillet, L.A.**; Belinson, J.L.: Optical diagnosis of cervical Displasia. Int J Gynaecol Obstet. 2005 Apr;89(1):63-4

Rojas-Espaillet, LA; Rose PG. Treatment of locally advanced cervical cancer. Curr Op Oncol; 2005 Sept;17(5):485-92.

Escobar PF, **Rojas-Espaillet L**, Tisci S, Enerson C, Brainard J, Smith J, Tresser NJ, Feldchtein FI, Rojas LB, Belinson JL: Optical coherence tomography as a diagnostic aid to visual inspection and colposcopy for preinvasive and invasive cancer of the uterine cervix. Int J Gynecol Cancer. 2006 Sep-Oct;16(5):1815-22.

Rojas-Espaillet LA, Houck K, Hernandez E, Berkowitz R: Fertility Sparing Surgery for Persistent Gestational Trophoblastic Neoplasia in the Myometrium. J Reprod Med. 2007 May;52(5):431-4

Han X, Shen T, **Rojas-Espaillet, LA**, Hernandez E. Giant cell fibroblastoma of the vulva at the site of a previous fibroepithelial stromal polyp. J Low Genit Tract Dis. 2007 apr 11(2): 112-7

Fader AN, **Rojas-Espaillet L**, Ibeanu O, Grumbine FC, Escobar PF. Laparoendoscopic single-site surgery (LESS) in gynecology: a multi-institutional evaluation. Am J Obstet Gynecol. 2010 Jul 19.

Escobar PF, Starks DC, Fader AN, Barber M, **Rojas-Espalliat L**. Single-port risk-reducing salpingo-oophorectomy with and without hysterectomy: surgical outcomes and learning curve analysis. Gynecol Oncol. 2010 Oct;119(1):43-7.

Escobar PF, Fader AN, Rasool N, **Espalliat LR**. Single-port laparoscopic pelvic and para-aortic lymph node sampling or lymphadenectomy: development of a technique and instrumentation. Int J Gynecol Cancer. 2010 Oct;20(7):1268-73. doi: 10.1111/IGC.0b013e3181ea7f5d.

Fader AN, Rasool N, Vaziri SA, Kozuki T, Faber PW, Elson P, Biscotti CV, Michener CM, Rose PG, **Rojas-Espaillet L**, Belinson JL, Ganapathi MK, Ganapathi R. CCL2 expression in primary ovarian carcinoma is correlated with chemotherapy response and survival outcomes. Anticancer Res. 2010 Dec; 30(12):4791-8.

AK Krie, K N Bohlen, Y Hu, C Ageton, H Emuth, D Norfolk, J Kittelsrud, R Thomes, A Fahendorf, J Muth, **LA Rojas-Espaillet**, GE Davies. Low carbohydrate dietary intervention improves insulin, hormonal levels and inflammatory markers in early stage, postmenopausal breast cancer survivors. Cancer Res December 15, 2013 73:PD2-5; doi:10.1158/0008-5472.SABCS13-PD2-5.

AK Krie, K N Bohlen, Y Hu, C Ageton, H Demuth, D Norfolk, J Kittelsrud, R Thomes, A Fahendorf, J Muth, **LA Rojas-Espaillet**, GE Davies. Improved quality of life for early stage breast cancer survivors on a low carbohydrate calorie restricted dietary intervention. Cancer Res December 15, 2013 73:P3-09-16; doi:10.1158/0008-5472.SABCS13-P3-09-16

AK Krie, K N Bohlen, Y Hu, C Ageton, H Demuth, D Norfolk, J Kittelsrud, R Thomes, A Fahendorf, J Muth, **LA Rojas-Espaillet**, GE Davies. Weight loss and lipid-lowering efficacy of a low carbohydrate, calorie restricted diet intervention on postmenopausal breast cancer patients. *Cancer Res* December 15, 2013 73:P4-09-04; doi:10.1158/0008-5472.SABCS13-P4-09-04

Luis Rojas, Casey B. Williams, Siraj Mahamed Ali, Kirstin Anne Williams, David Starks, Mark Bailey, Jie He, Julia Andrea Elvin, Norma Alonzo Palma, Nandini Dey, Pradip De, Philip J. Stephens, Vincent A. Miller, Jeffrey S. Ross, Brian Leyland-Jones; Avera Cancer Institute, Sioux Falls, SD; Foundation Medicine, Inc., Cambridge, MA; Albany Medical College, Albany, NY. Frequency of clinically relevant genomic alterations using comprehensive genomic profiling (CGP) for the management of advanced gynecologic malignancies in a community setting. *J Clin Oncol* 33, 2015 (suppl; abstr e22068).

Yihua Liu, Zachary Weber, F. Anthony San Lucas, Aditya Deshpande, Yasminka A. Jakubek, Raed Sulaiman, Mary Fagerness, Natasha Flier, Joseph Sulaiman, Christel M. Davis, Jerry Fowler, David Starks, **Luis Rojas-Espaillet**, Alexander J. Lazar, Gareth E. Davies, Erik A. Ehli, Paul Scheet. Assessing inter-component heterogeneity of biphasic uterine carcinosarcomas. *Gynecologic Oncology* 151 (2018) 243-249

Rojas-Espaillet L, Denise Uyar, Dale Grabowski, Jerome Belinson, Francis Lee, Renzo Canetta, Jamil Talhouk, Ronald Mischak, Ronald Bukowski, Mahrukh Ganapathi and Ram Ganapathi: Caspase 2 initiates apoptosis induced by the epothilone ixabepilone in human ovarian carcinoma cells (In Press).

Rojas-Espaillet L, Paul Elson, Susan A.J. Vaziri, Pieter W. Faber, Jerome L. Belinson, Charles V. Biscotti, Amanda Nickles-Fader, Chad Michener, Peter Rose, Ronald M. Bukowski, Mahrukh K. Ganapathi, Ram Ganapathi: PSMA3 and CRA are Novel Predictor Genes of Chemoresistance and Survival in Ovarian and Peritoneal Carcinoma. (In Press)