

NIMA POURHABIBI ZARANDI

Internal Medicine Resident (PGY-2)
 Dept. of Internal Medicine
 UPMC Harrisburg
 Harrisburg, PA

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EDUCATION AND ACADEMIC POSITION

Residency	UPMC Harrisburg, Dept. of Internal Medicine (Program Director: Dr. John Cinicola)	June 2022 – Now (Expected until July 2025)
Residency (PGY-1,2)	Atrium Health Wake Forest Baptist, Dept. of General Surgery (Program Director: Dr. Amy Hildreth)	June 2020 – June 2022
Research Fellowship	Male Fertility Research Group Wake Forest Institute for Regenerative Medicine (WFIRM) (Advisors: Dr. Anthony Atala, Dr. Hooman Sadri)	April 2016 – June 2020
M.D.	School of Medicine, Shiraz University of Medical Sciences (SUMS) (Advisors: Dr. Shahram Bolandparvaz, Dr. Shahram Paydar)	Sep. 2007 - Oct. 2013 M.D. Diploma (Dec. 2015)
USMLE/ ECFMG	Step 1 = PASS, 01/22/2019 Step 2 CK = PASS, 07/07/2017 Step 2 CS = PASS, 04/17/2019 Step 3 = PASS, 12/13/2021	ECFMG Certified (June 2019)

HONORS AND AWARDS

⌘	“Golden Scalpel” Award – Recognized as the best teacher and role model in professionalism and patient care	2021
⌘	Certificate of Appreciation in Recognition of Contribution and Dedicated Service – American Society of Andrology (ASA)	2019
⌘	NIH Trainee Travel Award – 44th ASA Annual Meeting, Chicago, IL, USA	2019
⌘	Fellow Basic Science Gold Award – Wake Forest School of Medicine 26th Annual Resident’s and Fellow’s Research Day	2018
⌘	Exemplary Trainee Service Award – American Society of Andrology (ASA)	2018
⌘	NIH Trainee Travel Award – 43 rd ASA Annual Meeting, Portland, OR, USA	2018
⌘	People’s Choice Award – Wake Forest Institute for Regenerative Medicine Annual Retreat	2018
⌘	Fellow Basic Science Gold Award – Wake Forest School of Medicine 25th Annual Resident’s and Fellow’s Research Day	2017
⌘	Elected as the “Trainee Representative” of the American Society of Andrology (ASA)	2017
⌘	The XXIV North American Testis Workshop Travel Award	2017
⌘	American Society of Andrology (ASA) Thomas S.K. Chang Travel Award for Trainees	2017
⌘	Fellow Clinical Research Gold Award – Wake Forest School of Medicine 24th Annual Resident’s and Fellow’s Research Day	2016
⌘	2nd Place Post Doc/Research Fellow Poster Award – North Carolina Tissue Engineering and Regenerative Medicine	2016

PROFESSIONAL MEMBERSHIPS

2022 – Present	American College of Gastroenterologists (ACG)
2022 – Present	American College of Physicians (ACP)
2020 – 2022	Resident member, American College of Surgeons (ACS)
2017 - 2020	Trainee Member of the American Society of Andrology (ASA), ASA Executive and Trainee Committees
2017 - 2020	Tissue Engineering and Regenerative Medicine International Society
2017- 2019	Executive council member of the American Society of Andrology (ASA)
2013 - Present	Iran Medical Council

PUBLICATIONS

1. Valenzuela CD, Moaven O, Solsky IB, Stauffer JA, Del Piccolo NR, Cheung T, Corvera CU, Wisneski AD, Cha C, **Zarandi N**, et al. Conditional Survival after Hepatectomy for Colorectal Liver Metastasis: Results from the Colorectal Liver Operative Metastasis International Collaborative (COLOMIC). *Annals of Surgical Oncology*, *in press*.
2. Solsky IB, Valenzuela CD, Lundy M, Moaven O, Stauffer JA, Del Piccolo NR, Cheung T, Corvera CU, Wisneski AD, Cha C, **Zarandi N**, et al. Survival Outcomes of Optimally Treated Colorectal Metastases: the Importance of R0 Status in Surgical Treatment of Hepatic and Peritoneal Surface Disease. *Annals of Surgical Oncology*, *in press*.
3. Gawdi R, Valenzuela CD, Moaven O, Stauffer JA, Del Piccolo NR, Cheung T, Corvera CU, Wisneski AD, Cha C, Russell G, **Zarandi N**, et al. Perioperative chemotherapy for resectable colorectal liver metastases: Analysis from the Colorectal Operative Liver Metastases International Collaborative (COLOMIC). *J Surg Oncol*. 2022;126(2):339-347. doi:10.1002/jso.26893 PMID: 35429409
4. Valenzuela CD, Moaven O, Gawdi R, et al. Association of primary tumor laterality with surgical outcomes for colorectal liver metastases: results from the Colorectal Liver Operative Metastasis International Collaborative (COLOMIC). *HPB (Oxford)*. 2022;S1365-182X(22)00066-1. doi:10.1016/j.hpb.2022.02.006 PMID: 35289279
5. Galdon G, Deebel NA, **Pourhabibi Zarandi N**, et al. In Vitro Propagation of XXY Human Klinefelter Spermatogonia Stem Cells: a step towards new fertility opportunities. *Front Endocrinol (Lausanne)*. 2022;13:1002279. doi:10.3389/fendo.2022.1002279 PMID 36246909
6. Galdon G, Deebel NA, **Pourhabibi Zarandi N**, et al. In Vitro Propagation of XXY Undifferentiated Mouse Spermatogonia: Model for Fertility Preservation in Klinefelter Syndrome Patients. *International Journal of Molecular Sciences*. 2022; 23(1):173. <https://doi.org/10.3390/ijms23010173>. PMID: 35008599
7. Abdelaal O, Deebel NA, **Pourhabibi Zarandi N**, et al. Fertility preservation for pediatric male cancer patients: illustrating contemporary and future options; a case report. *Transl Androl Urol*. 2021;10(1):520-526. doi:10.21037/tau-20-908. PMID: 33532340
8. Rajan, S., Aleman, J., Wan, M., **Pourhabibi Zarandi, N.**, et al. Probing prodrug metabolism and reciprocal toxicity with an integrated and humanized multi-tissue organ-on-a-chip platform. *Acta biomaterialia*, 106, 124–135. <https://doi.org/10.1016/j.actbio.2020.02.015> PMID: 32068138
9. Deebel NA, Galdon G, **Pourhabibi Zarandi N**, et al. Age-related presence of spermatogonia in patients with Klinefelter syndrome: a systematic review and meta-analysis. *Hum Reprod Update*. 2020;26(1):58-72. doi:10.1093/humupd/dmz038. PMID: 31822886
10. Skardal A, Aleman J, Forsythe S, Rajan S, Murphy S, Devarasetty M, **Pourhabibi Zarandi N**, et al. Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. *Biofabrication*. 2020;12(2):025017. Published 2020 Feb 26. doi:10.1088/1758-5090/ab6d36 PMID: 32101533
11. Strange DP, Jiyarom B, **Pourhabibi Zarandi N**, et al. Axl promotes ZIKV entry and modulates antiviral state of human Sertoli cells. *mBio* Jul 2019, 10 (4) e01372-19; DOI: 10.1128/mBio.01372-19. PMID: 31311882
12. **Pourhabibi Zarandi N**, Galdon G, Kogan S, Atala A, Sadri-Ardekani H. Cryostorage of immature and mature human testis tissue to preserve spermatogonial stem cells (SSCs): a systematic review of current experiences toward clinical applications. *Stem cells and cloning: advances and applications*. 2018 Jul 6;11:23. PMID: 30013372
13. Strange DP, **Pourhabibi Zarandi N**, Trivedi G, Atala A, Bishop CE, Sadri-Ardekani H, Verma S. Human testicular organoid system as a novel tool to study Zika virus pathogenesis. *Emerging microbes & infections*. 2018 May 9;7(1):82. PMID: 29739931
14. Shafiee A, Ghadiri E, Kassir J, **Pourhabibi Zarandi N**, Atala A. Biosensing Technologies for Medical Applications, Manufacturing, and Regenerative Medicine. *Current Stem Cell Reports*. 2018:1-1.
15. **Pourhabibi Zarandi N**, et al. Accuracy of Surgeon's Intraoperation Diagnosis of Acute Appendicitis, Compared with the Histopathology Results. *Bull Emerg Trauma*. 2014;2(1):15-21. PMID: 27162858
16. Javidi-Parsijani P, **Pourhabibi Zarandi N**, et al. Accuracy of Ultrasonography in Diagnosing Acute Appendicitis. *Bull Emerg Trauma*. 2013;1(4):158-163. PMID: 27162849
17. Ahrari I, **Pourhabibi Zarandi N**, et al. Adipose Tissue Derived Multipotent Mesenchymal Stromal Cells Can Be Isolated Using Serum-free Media. *Iran Red Cres Med J*. 2013;15(4):324-9. DOI: 10.5812/ircmj.4506. PMID: 24083007

SELECTED ORAL & POSTER PRESENTATIONS

1. *Wake Forest Baptist Health Experimental Pediatric and Adolescent Fertility Preservation Program; A 5-Year Review.* **(Oral)**
Wake Forest Institute for Regenerative Medicine Annual Retreat, NC, January 2020
2. *In Vitro Differentiation of Human Klinefelter Spermatogonial Stem Cells in 3D Testicular Organoid System.* **(Poster)**
The 44th ASA Annual Meeting, Chicago, IL, April 2019.
3. *In Vitro Differentiation of Human Klinefelter Spermatogonial Stem Cells in 3D Testicular Organoid System.* **(Oral)**
Wake Forest Institute for Regenerative Medicine Annual Retreat, NC, January 2019
4. *In Vitro Differentiation of Human Klinefelter Spermatogonial Stem Cells in 3D Testicular Organoid System.* **(Poster)**
Wake Forest School of Medicine 26th Annual Surgical Residents' and Fellows' Research Day, Winston Salem, NC, November 2018.
5. *Human testicular organoid system as a novel tool to study Zika virus pathogenesis.* **(Oral)**
The 43rd annual meeting of American Society of Andrology (ASA), Portland, OR, April 2018.

6. *Human testicular organoid system as a novel tool to study Zika virus pathogenesis. (Oral)*
Wake Forest Institute for Regenerative Medicine Annual Retreat, NC, January 2018
7. *Three-Dimensional (3D) Functional Human Testis Organoid System Created from Immature Boy Testicular Cells. (Oral)*
TERMIS-Americas Conference & Exhibition, Charlotte, NC, December 2017.
8. *Three-Dimensional Human Testis Organoid System Created from Immature Testicular Cells. (Oral)*
The XXIV North American Testis Workshop, Miami, FL, April 2017.
9. *Three Dimensional (3D) Functional Human Testis Organoid System Created from Immature Boy Testicular Cells. (Oral)*
26th Annual Meeting of the Triangle Consortium for Reproductive Biology (TCRB), Research Triangle Park, NC, February 2017
10. *Human 3D Testicular Organoid System Created from Immature Germ Cells. (Poster)*
Wake Forest School of Medicine 24th Annual Surgical Residents' and Fellows' Research Day, Winston Salem, NC, November 2016.

RESEARCH / WORK / TEACHING EXPERIENCES

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|---|--------------|
| ✓ Certificate of Advanced Cardiovascular Life Support (ACLS) for Providers | 2020-Present |
| ✓ Certificate of Basic Life Support (BLS) for Providers | 2020-Present |
| ✓ Certificate of Advance Trauma Life Support (ATLS) for Providers | 2020-Present |
| ✓ Co-founder, Persian American Residency Success Initiative (PARSI), USA; youtube.com/PARSI4MATCH | 2020-Present |
| ✓ Researcher, Surgical Oncology, Dept. of General Surgery, WFBMC, Winston Salem, NC | 2019-2020 |
| ✓ Male Fertility Research Group, WFIRM, Winston Salem, NC. | 2016-2020 |
| ✓ Active member of Testicular Tissue Banking program, WFIRM, Winston Salem, NC. | 2016-2020 |
| ✓ Co-mentoring summer scholars and under-graduate students, WFIRM, Winston Salem, NC. | 2016-2020 |
| ✓ Trainee Representative, American Society of Andrology, Chicago, IL. | 2017-2019 |
| ✓ General Practitioner (Primary Care Physician), private office, Zarand, Kerman, Iran. | 2015-2016 |
| ✓ General Practitioner & ER Physician, Kerman Army Hospital, Kerman, Iran. | 2014-2015 |
| ✓ Internship, Hospitals affiliated with Shiraz University of Medical Sciences (SUMS), Shiraz, Iran. | 2012-2013 |
| ✓ Instructor, "Introduction to Clinic" Workshops, Clinical Skill Center, SUMS, Shiraz, Iran. | 2011-2012 |
| ✓ Executive Director, Int. Students Congress on Cell and Molecular Medicine, Shiraz, Iran. | 2010-2011 |
| ✓ Researcher, Cell and Molecular Research Group, SUMS, Shiraz, Iran. | 2007-2013 |
| ✓ Researcher, Trauma Research Center, SUMS, Shiraz, Iran. | 2008-2011 |
| ✓ Representative of MD Class of 2013, SUMS, Shiraz, Iran. | 2007-2013 |

LANGUAGE SKILLS

- **Persian** (Farsi): Native
- **English**: Full professional proficiency (in written and spoken)