

Laurie L. Ray, DNP, APRN, WHNP-BC, MSCP

Assistant Clinical Professor
Director, Women's Health/Gender-Related Nurse Practitioner Specialty
Nell Hodgson Woodruff School of Nursing
Emory University
Email: llray@emory.edu

EDUCATION

| | | | |
|------|-----|---|-------------------------------|
| 2018 | DNP | Emory University, Nell Hodgson School of Nursing, Atlanta, GA | Population Health |
| 2011 | MS | Columbia University School of Nursing, New York, NY | Women's Health NP |
| 2010 | BS | Columbia University School of Nursing, New York, NY | Nursing |
| 2007 | BA | Emory University, Atlanta, GA | Women's Studies and Chemistry |

LICENSES & PROFESSIONAL CERTIFICATIONS

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|---------|---|--------------|
| 2025-28 | Menopause Society Certified Practitioner, The Menopause Society | |
| 2025-26 | Certified Registered Nurse Practitioner (Faculty Only), Alabama | 3-002327 |
| 2025-27 | Advanced Registered Nurse Practitioner, Washington | AP61656932 |
| 2022-27 | Advanced Practice Registered Nurse, Louisiana | 227144 |
| 2019-27 | Registered Professional Nurse, Multistate NLCS | 21683439 |
| 2019-26 | Advanced Practice Registered Nurse, New Hampshire | 080527-23 |
| 2019-20 | Registered Professional Nurse, Alabama | 1-179794 |
| 2011-27 | Advanced Practice Registered Nurse, Georgia | RN217652 |
| 2011-27 | Registered Professional Nurse, Georgia | RN217652 |
| 2011-28 | Certified Nurse Practitioner in Women's Health, New York | 421055 |
| 2011-26 | Board Certified Women's Health Care Nurse Practitioner, NCC | 104365259 |
| 2010-28 | Registered Professional Nurse, New York | 629931 |
| 2009-27 | Basic Life Support for Healthcare Providers, AHA | IMP21Y5KCWKX |

CERTIFICATES & TRAININGS

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|------|-----------------------------|-----------------|
| 2024 | Teaching Online Certificate | Quality Matters |
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HONORS & AWARDS

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| 2025 | Early Career Alumni Award: Emerging Nurse Leader | Columbia University School of Nursing Alumni Association |
| 2024 | 40 Under Forty | Emory Alumni Association |
| 2023-24 | CFDE Course Design and Pedagogy Fellow | Center for Faculty Development and Excellence, Emory University |
| 2018 | Dean's List | NHWSN, Emory University |
| 2010 | Sigma Theta Tau Honor Society | Columbia University School of Nursing |

PROFESSIONAL EXPERIENCE

Academic Appointments

| | | |
|--------------|----------------------------|-------------------------|
| 2025-present | Director, WHGRNP Specialty | NHWSN, Emory University |
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|--|---|--|
| 2021-present | Assistant Clinical Professor | NHWSN, Emory University Atlanta, GA |
| 2021 | Senior Clinical Instructor | NHWSN, Emory University Atlanta, GA |
| 2014-16 | Instructor in Clinical Nursing | Columbia University SON New York, NY |
| <u>Clinical and Professional Experience</u> | | |
| 2019-present | Nurse Practitioner Colposcopy Program Director (2019-present) Ultrasound Program Director (2021-2023) | Planned Parenthood Southeast Atlanta, GA |
| 2022-present | Quality Assurance Clinician Consultant | National Abortion Federation Washington, DC |
| 2018-21 | Science Writer | Clue by BioWink Berlin, Germany |
| 2021 | Curriculum Consultant, Women's Health Training | United Nations New York, NY |
| 2019 | Nurse Practitioner (Temporary) | Equality Health Center Concord, NH |
| 2016-18 | Clinical Research Nurse Practitioner Infectious Disease | Montefiore Medical Center Bronx, NY |
| 2016-18 | Nurse Practitioner, Family Planning | Montefiore Medical Center Bronx, NY |
| 2013-16 | Nurse Practitioner, Family Planning | NYC Health + Hospitals Harlem, New York, NY |
| 2012-18 | Nurse Practitioner, Mobile Breast Cancer Screening | Multi-Diagnostic Services, Inc Jamaica, NY |
| 2011-12 | Registered Nurse | Children's Med Group, P.C. Atlanta, GA |

SCHOLARSHIP: GRANTS & OTHER FUNDING

External Research Grants Funded by the National Institutes of Health (NIH)

Comparative Effectiveness of Pregnancy Failure Management Regimens (PreFaiR)
2014-2018

Principal Investigators: Courtney Schrieber, Jessica Atrio, Mitchell Creinin

Sub-Investigator: Laurie Ray (2016-2018)

Funder: NIH, National Institute of Child Health and Human Development (NICHD)

Total Funding: \$2,753,468

Modifiers of PrEP Efficacy in US & African Women: Age, Hormones, Sex & Microbiota
2013-2018

Principal Investigator: Marla Keller

Sub-Investigator: Laurie Ray (2016-2018)

Funder: NIH, National Institute of Allergy and Infectious Diseases (NIAID)

Funding Total: \$3,815,132

External Research Grants Funded by other agencies

Internet Technology Contraceptive Counseling and Reminder Empowerment Services (IT-CARES)
2014-2016

Principal Investigator: Laurie Ray (2014-2016)

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Funder: National Association of Nurse Practitioners in Women's Health (NPWH)
Total Funding: \$13,000

SCHOLARSHIP: PUBLICATIONS

(data-based denoted with *, senior or first author with +, student or corresponding authors underlined)

Peer-Reviewed Publications – Published

1. +**Ray, L.** (2023). Self-managed medication abortion: What nurse practitioners need to know. *Women's Healthcare: A Clinical Journal for NPs*, 11(3): 26-31.
2. *Teleshova, N., Keller, M. J., Fernandez-Romero, J. A., Friedland, B. A., Creasy, G. W., Plagianos, M. G., **Ray, L.**, Barnable, P., Kizima, L., Rodriguez, A., Cornejal, N., Melo, C., Cruz Rodriguez, G., Mukhopadhyay, S., Calenda, G., Sinkar, S. U., Bonnaire, T., Wesenberg, A., Zhang, S., ... Zydowsky, T. M. (2022). Results of a phase 1, randomized, placebo-controlled first-in-human trial of griffithsin formulated in a carrageenan vaginal gel. *PLOS One*, 17(1):e0261775.
3. *Serebrenik, J. S., Wang, T., Hunte, R., Srinivasan, S., McWalters, J., Tharp, G. K., Bosinger, S. E., Fiedler, T. L., Atrio, J. M., Murphy, K., Barnett, R., **Ray, L.**, Krows, M. L., Fredricks, D. N., Irungu, E., Ngure, K., Mugo, N., Marrazzo, J., Keller, M. J., & Herold, B. C. (2021). Differences in vaginal microbiota, host transcriptome and proteins in women with bacterial vaginosis are associated with metronidazole treatment response. *Journal of Infectious Diseases*, 224(12):2094-2104.
4. *Dobkin, A., McWalters, J., Barnett, R., **Ray, L. L.**, Espinoza, L., McGinn, A. P., Atrio, J. M., & Keller, M. J. (2020). Acceptability of a tenofovir disoproxil fumarate intravaginal ring for human immunodeficiency virus pre-exposure prophylaxis among sexually active women. *Sexually Transmitted Diseases*, 47(12):819-824.
5. *Keller, M. J., Wood, L., Billingsley, J. M., **Ray, L. L.**, Goymer, J., Sinclair, S. McGinn, A. P., Marzinke, M. A., Frank, B., Srinivasan, S., Liu, C., Atrio, J. M., Espinoza, L., Mugo, N., Spiegel, H. M. L., Anderson, P. L., Fredricks, D. N., Hendrix, C. W., Marrazzo, J., ... Herold, B. C. (2019). Tenofovir disoproxil fumarate intravaginal ring for HIV pre-exposure prophylaxis in sexually active women: a phase 1, single-blind, randomized, controlled trial. *Lancet HIV*, 6(8):e498-508.
6. *Benfield, N., Hawkins, F., **Ray, L.**, McGowan, A., Floyd, K., Africa, D., Barreto, M., & Levi, E. (2019). Exposure to routine availability of immediate postpartum LARC: effect on attitudes and practices of labor and delivery and postpartum nurses. *Contraception*, 7(5):411-414.
7. *Reid, G.K., Berardinelli, A.J., **Ray L.**, Jackson, A. R., Neish, A. S., Hansen, J. M., & Denning, P. W. (2017). Timing of developmental reduction in epithelial glutathione redox potential is associated with increased epithelial proliferation in the immature murine intestine. *Pediatric Research*, 82(2):362-369.
8. +**Ray, L. L.**, & McEneaney, M. J. (2014). Caring for survivors of sexual violence: a guide for primary care NPs. *Women's Healthcare: A Clinical Journal for NPs.*, 2(2):42-9.
9. *Qurashi, A., Liu, H., **Ray L.**, Nelson, D. L., Duan, R., & Jin, P. (2012). Chemical screen reveals small molecules suppressing fragile X premutation rCGG repeat-mediated neurodegeneration in Drosophila. *Human Molecular Genetics*, 21(9):2068-2075.
10. *Lin, P. W., Myers, L. E., **Ray, L.**, Song, S. C., Nasr, T. R., Berardinelli, A. J., Kundu, K., Murthy, N., Hansen, J. M., & Neish, A. S. (2009). Lactobacillus rhamnosus blocks inflammatory signaling in vivo via reactive oxygen species generation. *Free Radical Biology and Medicine*, 47(8):1205-1211.

Peer Reviewed Publications – Accepted

1. +**Ray, L.** (anticipated April 2026). Respecting patient autonomy in managing pregnancy of unknown location. *Clinical Journal for Nurse Practitioners in Women's Health*.

Other Publications

Editorial – Published

1. Lapedis, M., **Ray, L.**, & Narayana, S. (2021). Weighing risk and centering patients within clinical guidelines. *Contraception*, 104(6):667.

National Organization Position Statements

1. National Association of Nurse Practitioners in Women's Health (NPWH). (September 2024). Scope of Practice for the Board-certified Women's* Health Nurse Practitioner (WHNP-BC). Available from: https://cdn.ymaws.com/npwh.org/resource/resmgr/positionstatement/Board-certified_WHNP_Scope_o.pdf
2. National Association of Nurse Practitioners in Women's Health (NPWH). (2022). Male Sexual and Reproductive Health: Role of Women's Health Nurse Practitioners. Available from: <https://www.npwomenshealthcare.com/wp-content/uploads/2023/05/2023-June-WH-NPWH-POS.pdf>

Research Abstracts

1. Richardson, A., Myers, L. S., Song, S. C., **Ray, L.**, Berardinelli, A., Hansen, J., Wei Denning, P. (2012). Reduction in the intestinal epithelial glutathione redox potential may regulate proliferation in the neonatal murine gut. *The FASEB Journal*, 26(S1):833.7.
2. Lin, P., Berardinelli, A., Nasr, T., **Ray, L.**, Hansen, J., Neish, A. (2009). *Lactobacillus rhamnosus* prevents inflammatory signaling in immature murine intestines via generation of reactive oxygen species. *The FASEB Journal*, 23(S1):236.4.
3. Cooper, K., Berardinelli, A., **Ray, L.**, Neish, A., Lin, P. (2009). *Escherichia coli* may reduce apoptosis in the intestines of immature mice. *Journal of Investigative Medicine*, 57(1):411.

Media Mentions

1. Weiss, S. (2019, May 1). 7 things to know about birth control if you are transgender or nonbinary. *Teen Vogue*. <https://www.teenvogue.com/story/things-to-know-about-birth-control-trans-non-binary>

SCHOLARSHIP: PRESENTATIONS

(invited presentations denoted with ‡, podium presentations denoted with ^)

International Presentations (if conference is run by an international organization)

1. Friedland, B., Keller, M. J., Creasy, G., Fernandez-Romero, J., Teleshova, N., Plagianos, M., **Ray, L.**, Ugaonkar, S., Alami, M., O'Keefe, B. R., Sikaroodi, M., Zydowsky, T., Gillevet, P. (2018, October). Griffithsin administered vaginally for 14 days is well-tolerated, with anti-HIV activity up to 8 hours post dose in the first-in-human trial. Poster presentation at HIV Research for Prevention (HIVR4P), Madrid, Spain.

National Presentations (if conference is run by a national organization)

1. **Ray, L.**, Lesko, J., Lockley, A., Moore, S. (2026, April). Expanding access: Medication abortion through 13 6/7 weeks of gestation, clinical guidance updates from the Society of Family Planning. Panel presentation at the National Abortion Federation (NAF) 49th Annual Meeting, Philadelphia, Pennsylvania.

2. ^Kelsey, B., **Ray, L.**, Marino, J. (2024, September). Build your confidence and do it: Writing for publication. Workshop presentation and facilitation at the National Association for Nurse Practitioners in Women’s Health (NPWH) 27th Annual Meeting, Chicago, Illinois.
3. ^Atrio, J., Benfield, N., Bleck, R., Gurney, E., Moore Conrow, J., **Ray, L.**, Sonalkar, S. (2023, October). Supervision of and care for pregnancies of uncertain viability and unknown location: An opportunity for leadership in the post-Dobbs era. Panel presentation at the Society of Family Planning (SFP) Annual Meeting, Seattle, Washington.
4. **Ray, L. L.**, Atrio, J. M., Wright, P., Cranmer, J., Sheridan, T., McGinn, A. P., Keller, M. J. (2019, October). An opt-out approach increases gonorrhea and chlamydia screening in an urban family planning clinic. Poster presentation at the National Association for Nurse Practitioners in Women’s Health (NPWH) 22nd Annual Meeting, Savannah, Georgia.
5. Keller, M. J., **Ray, L.**, Atrio, J. M., Espinoza, L., Sinclar, S., Goymer, J., Marzinke, M. A., Frank, B., Anderson, P. L., Marrazzo, J., Mugo, N., Spiegel, H. M. L., Hendrix, C. W., Herold, B. C. (2018, March). Early termination of a phase 1 trial of tenofovir disoproxil fumarate vaginal ring. Poster presentation at 25th Conference on Retroviruses and Opportunistic Infections (CROI), Boston, Massachusetts.

State and Local

1. #Boldt, H., Fitzroy, A., **Ray, L.**, Gomez, C. (2025, November). Course Design and Pedagogy Fellows Panel: Innovation and Reflection in Teaching & Learning. Virtual Panel. Center for Faculty Development and Excellence, Emory University, Atlanta, Georgia.
2. Roberts, R., Borglum, L., Raffetto, K. T., **Ray, L.** (2025, April and September). In-Depth Ultrasound Training for Abortion Care. Didactic presentation and simulator facilitation for the New York State Abortion Access Program, New York, New York.
3. #**Ray, L. L.** (2022, June). Emergency contraception: What forensic nurses should know. Virtual presentation for the Georgia Forensic Nursing Network (GFNN) CE Series, Atlanta, Georgia.

TEACHING ACTIVITIES

Courses Taught

Emory University, Nell Hodgson Woodruff School of Nursing

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| Spring 2026 | NRSG 524: Becoming an APRN | Coordinator |
| | NRSG 581: WHGRNP I | Coordinator |
| Fall 2025 | NRSG 578: Diagnostics and Clinical Reasoning: WHGRNP | Coordinator |
| | NRSG 765: WHGRNP II | Coordinator |
| | NRSG 766: WHGRNP Clinical Practicum II | Site Visitor |
| Summer 2025 | NRSG 612: WHGRNP II | Faculty |
| | NRSG 763: WHGRNP I | Coordinator |
| | NRSG 829: WHGRNP IV | Coordinator |
| Spring 2025 | NRSG 524: Becoming an APRN | Coordinator |
| | NRSG 581: WHGRNP I | Coordinator |
| | NRSG 594: WHGRNP Clinical Practicum I | Faculty |
| Fall 2024 | NRSG 544: Advanced Health Assessment | Faculty |
| | NRSG 578: Diagnostics and Clinical Reasoning: WHGRNP | Faculty |
| | NRSG 658: WHGRNP III | Faculty |
| | NRSG 709: Design, Methods, Analysis | Faculty |

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| | NRS 765: WHGRNP II | Coordinator |
| | NRS 831: WHGRNP V- Review | Coordinator |
| Summer 2024 | NRS 612: WHGRNP II | Faculty |
| | NRS 613: WHGRNP Clinical Practicum II | Faculty |
| | NRS 763: WHGRNP I | Coordinator |
| Spring 2024 | NRS 764: WHGRNP Clinical Practicum I | Coordinator |
| | NRS 594: WHGRNP Clinical Practicum I | Coordinator |
| | NRS 581: WHGRNP I | Coordinator |
| | NRS 524: Becoming an APRN | Coordinator |
| Fall 2023 | NRS 505: Research & Evidence Based Practice | Seminar Leader |
| | NRS 766: WHGRNP Clinical Practicum II | Co-Coordinator |
| | NRS 765: WHGRNP II | Co-Coordinator |
| | NRS 709: Design, Methods, Analysis | Faculty |
| | NRS 627: WHGRNP Clinical Practicum III | Faculty |
| | NRS 602: WHGRNP III: Preceptorship for Women's Health | Faculty |
| Summer 2023 | NRS 578: Diagnostics and Clinical Reasoning: WHGRNP | Faculty |
| | NRS 764: WHGRNP Clinical Practicum I | Co-Coordinator |
| | NRS 763: WHGRNP I | Co-Coordinator |
| | NRS 684: Innovative Leadership & Policy in Advanced Nursing Practice Roles | Coordinator |
| Spring 2023 | NRS 626: WHGRNP Clinical Practicum II | Faculty |
| | NRS 625: WHGRNP: Clinical Practicum I | Co- Coordinator |
| | NRS 600: WHGRNP I: Reproductive Health Care for Women | Coordinator |
| | NRS 517: Management of Acute and Chronic Illness I | Coordinator |
| Fall 2022 | NRS 505: Research & Evidence Based Practice | Seminar Leader |
| | NRS 709: Designs, Methods, Analysis | Faculty |
| | NRS 627: WHGRNP Clinical Practicum III | Coordinator |
| | NRS 602: WHGRNP III: Preceptorship for Women's Health | Faculty |
| | NRS 576: Introduction to Clinical Specialty | Faculty |
| | NRS 560: Embryology & Developmental Anatomy | Coordinator |
| Summer 2022 | NRS 524: Becoming an APRN | Coordinator |
| | NRS 626: WHGRNP Clinical Practicum II | Coordinator |
| | NRS 601: WHGRNP II: Advanced Care of Women | Faculty |
| Spring 2022 | NRS 518: Management of Acute and Chronic Illness II | Coordinator |
| | NRS 683: Human Sexuality | Faculty |
| | NRS 625: WHGRNP: Clinical Practicum I | Co- Coordinator |
| | NRS 600: WHGRNP I: Reproductive Health Care for Women | Co-Coordinator |
| | NRS 517: Management of Acute and Chronic Illness I | Faculty |
| Fall 2021 | NRS 505: Research & Evidence Based Practice | Seminar Leader |
| | NRS 602: WHGRNP III: Preceptorship for Women's Health | Faculty |
| | NRS 589: Innovative Leadership in Health Care Delivery | Coordinator |
| | NRS 576: Introduction to Clinical Specialty | Faculty |
| | NRS 560: Embryology and Developmental Anatomy | Faculty |

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| Summer 2021 | NRS 544: Advanced Health Assessment NRS 524: Becoming an APRN NRS 601: WHNP II: Advanced Care of Women | Lab Instructor Seminar Leader Senior Instructor |
| Spring 2021 | NRS 401: Forensic Nursing NRS 600: WHNP I: Reproductive Health Care for Women | Senior Instructor Adjunct Instructor |

Columbia University School of Nursing

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| 2014-2016 | Preceptorship in Women’s Health | Instructor |
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Doctor of Nursing Practice Scholarly Project Committee

Emory University, Nell Hodgson Woodruff School of Nursing

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| 2023 | Shannon Portis: “America Has a Problem: Impact of Sex Education on Health Literacy and Sex Literacy” | Project Chair |
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POLICY AND ADVOCACY

National

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| 10/2024 | Healthcare Providers for Harris-Walz National Call | Featured Speaker |
| 5/2024 | National Abortion Federation, Center for Reproductive Rights, and Physicians for Reproductive Health Washington, DC Lobby Day | Participant |

State and Local

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| 2023-present | Amplify Georgia Collaborative, canvassing and coalition building | Volunteer |
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PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITIES

Professional Organizations: Elected & Appointed Positions

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| 2026 | National Association for Nurse Practitioners in Women’s Health, Advocacy Committee | Chair |
| 2025 | National Association for Nurse Practitioners in Women’s Health, Advocacy Committee | Chair-Elect |
| 2024-present | Society of Family Planning, Clinical Affairs Committee | Member |
| 2024-present | National Association for Nurse Practitioners in Women’s Health, Advocacy Committee | Member |
| 2024-2025 | National Association for Nurse Practitioners in Women’s Health, WHNP Competency Task Force | Member |

Professional Organizations: Memberships

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|--------------|---|-----------------|
| 2011-present | National Association of Nurse Practitioners in Women’s Health | Member |
| 2014-present | American Association of Nurse Practitioners | Member |
| 2015-present | American Society for Colposcopy and Cervical Pathology | Member |
| 2016-present | The Nurse Practitioner Association of New York State | Member |
| 2019-present | United Advanced Practice Registered Nurses of Georgia | Member |
| 2019-present | Society of Family Planning | Member |
| 2020-present | National Abortion Federation, Clinicians in Abortion Care | Member |
| 2020-present | Nurses for Sexual and Reproductive Health | Founding Member |
| 2025-present | The Menopause Society | Member |

Editorships and Editorial Boards

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|---------|--|---------------------------------|
| 2024-26 | Clinical Journal for Nurse Practitioners in Women’s Health | Editorial Advisory Board Member |
| 2022-24 | Women’s Healthcare: A Clinical Journal for NPs | Editorial Advisory |

Board Member

Manuscript Reviewer

2024-present Clinical Journal for Nurse Practitioners in Women's Health Peer-Reviewer
2021-2024 Women's Healthcare: A Clinical Journal for NPs Peer-Reviewer

Grant Reviewer

2022 Office of the Assistant Secretary for Health (OASH), Reviewer
Office of Population Affairs (OPA),
Title X Family Planning Services

Service to Nell Hodgson Woodruff School of Nursing

2025-27 Member, SON Progression Committee
2023-25 Member, SON Faculty Search Committee

Community Service

2021- Dekalb County Board of Health, Decatur, GA Volunteer
2021-22 Center for Black Women's Wellness, Atlanta, GA Volunteer
2013-18 New York City Medical Reserve Corps, New York, NY Volunteer
2013-15 New York Road Runners, New York, NY Volunteer
2011-13 Rightrides, New York, NY Volunteer