Research Fellowship in
Human Reproduction and Male Infertility

Our Research Fellowship and training opportunities represent one of the most active, state-of-the-art and comprehensive programs in human reproduction and infertility in the United States.

Our Fellows gain priceless research experience under the strong mentorship of world-renowned experts in reproductive medicine and biology at our Center in the Cleveland Clinic.

For more information, please contact:
American Center for Reproductive Medicine and the Andrology Center
Cleveland Clinic, X-11
10681 Carnegie Avenue
Cleveland OH 44195, United States
Tel: +1.216.444.9485
Toll-Free: 1.800.CCF.CARE (ext. 4-9485)
Fax: +1.216.445.6049
Email: CRM@CCF.ORG
http://www.ClevelandClinic.org/ReproductiveResearchCenter
Our Research Fellows will

- Receive personalized mentoring by well-known experts in Reproductive Research
- Receive intensive hands-on training to master various basic and advanced research skills
- Learn the basics of Good Laboratory Practices
- Learn how to conduct a thorough literature review/critical analysis of published research
- Develop superior communication and presentation skills
- Participate actively in cutting-edge reproductive research
- Develop a strong foundation in human reproduction, assisted reproduction and infertility
- Learn the process of developing a novel scientific research idea
- Learn the techniques of writing a scientific bench research proposal
- Master the art of writing high quality scientific articles
- Publish research findings in top-tier scientific journals
- Learn the fundamentals of research involving human subjects
- Learn the basics of data management and biostatistical analysis
- Learn to be an independent, confident and resourceful researcher

Develop Valuable Research Skills

- Scientific integrity and accountability
- Professionalism and leadership
- Discipline and time management
- Motivation and self-direction
- Team work and collaboration
- Creativity and innovation
- Organization and methodical planning
- Effective interpersonal communication
- Critical thinking and analytical skills
- Problem solving and trouble shooting

Research & Training Methods

- Personal mentorship approach with daily supervision
- Practical demonstration and hands-on training in laboratory techniques
- Weekly research meetings for project planning and development
- On-site and online courses on various research procedures
- Training in literature review/search strategies and tools
- Training in writing of scientific articles for publication
- Lectures and presentations
- Journal Club and group discussions

Our Mission

Our unique and methodical mentorship approach develops our researchers into independent and dynamic scientists of the highest caliber.

Testimonials from Research Alumni:

- "The training that I received at your Program has made a profound impact on my professional career. My achievements in the field of male infertility and andrology have to be credited to the opportunity of being a Fellow at CRM. I truly believe that this is the best research fellowship program in reproductive medicine currently available both in the United States and abroad. The program not only met but exceeded its goals in every single aspect. It was a wonderful professional and personal experience for life."
  Sandro Esteves, MD, PhD | 1995 – 96

- "My memories of the Cleveland Clinic are of being pushed to work harder and to never accept mediocre quality of work. This program teaches one to set high goals, and to become better at everything one does."
  Fabio Pasqualotto, MD, PhD | 1998 – 99

- "I was extremely fortunate to work with renowned experts in the field of Reproductive Medicine from the United States, Germany, and the U.K. as a part of their collaboration with the Center for Reproductive Medicine. The innovative research that we produced remains a cornerstone in the areas of sperm sorting and sperm genomic integrity. I was able to publish over 30 articles in high-impact Reproductive Medicine Journals as well as book chapters. In addition, I was provided with the opportunity to attend several international conferences during which I presented over 60 oral and poster presentations."
  Tamer Said, MD, PhD | 2002 – 06

- "The program inculcates a great deal of ability to do hard work, punctuality, sincerity, art of communication with professionals, feeling of responsibility and aptitude to work as team member in fellows. The fellows will learn how to do multiple tasks simultaneously and efficiently."
  Shyam Allamaneni, MD | 2003 – 04

- "I was impressed by the systematic environment in the laboratory. Although I was unfamiliar with bench research at first, I was soon able to focus on my project without hesitation... The experiences in the lab gave me a strong belief that if I had an idea, I could make anything possible in that setting."
  Won Jun Choi, MD, PhD | 2004 – 05

- "I sincerely believe that the Center for Reproductive Medicine at the Cleveland Clinic helped me accomplish my short-term and long-term goals. I would highly recommend this program for anyone who has a desire to learn and become successful in the world of academic medicine."
  Deepinder Goyal, MD | 2006 – 07

- "Once I joined as Post Doctoral Research Fellow under the leadership of Dr. Agarwal at CCF, it was the beginning of the new era in my academic career. And when I look back, it was the stay at CCF which molded me or I should say prepared me as a Scientist in Biomedical field. Even after my tenure was over at CCF, I am continuing as an academic collaborator with CRM, which has resulted in many collaborative publications in journals and as books. The program offers several learning opportunities in the form of class room teachings every week by experts from multidisciplinary units of the CCF, a rich diversity of clinical cases, multitude of opportunities in both clinical as well as basic research, interaction with students from across the globe, an easy access to latest literature, expert research guides and many more. It was really one of my best experiences in life."
  Alex C. Varghese, PhD | 2007 – 08

- "The lab at CRM was like my second home where every single moment spent is like a golden memory. "Once a member of CRM, always a member of CRM." Any fellow who joins the CRM develops an eternal bond with the department. The huge amount of work I’ve learnt here is an invaluable asset for all times to come. Thank you CRM for believing in my capabilities and letting me accomplish all my dreams. I’m going back home successful and with a wide smile on my face."
  Arozia Moazzami, MD, PhD | 2010 – 11
Who can apply?

Medical graduates, physicians, and scientists interested in conducting cutting-edge bench research in the field of Reproductive Medicine are welcome to apply. Applicants are selected on a competitive basis from a pool of candidates from around the world. Once approved, the candidate is appointed as a Research Fellow through the Cleveland Clinic’s Graduate Medical Education Program.

How to apply

When applying online, you will need:

- Recent curriculum vitae/resume
- 3 recent letters of recommendation from persons with first-hand knowledge of your work
- Copies of degrees/certificates, transcripts and TOEFL score
- Copy of passport and a passport-sized photo
- Proof of sponsorship/scholarship
- Address, telephone number, and Skype ID for a personal interview with the Director

Apply NOW!

- A limited number of Fellowship positions are available every year.
- Only the most qualified applicants with a genuine desire to learn and engage in real research will be considered.
- International candidates (scientists/physician researchers) are welcome to apply.
- Open call application process (no specific deadline).
- For more information on applying for the 2018 Research Fellowship, please click here.

Testimonials from Research Alumni:

“My overall experience was good. I gained a lot of experience and friends. I would like to thank Dr. Agarwal and CRM for everything they have done for me, it was a great experience - I learned a lot on a professional as well as a personal level.”

Amani Shaman, MD | 2011 – 12

“I came to CRM looking for interaction with new research and to expand my ideas and knowledge. After a year, I have achieved my goals. I’m very thankful for all that Dr Agarwal, Dr Sharma and Dr Gupta have done for me, the teaching and the sharing of experiences. The program is of great value if you are looking to grow as a person and as a professional.”

Helena Malvezzi, MSc | 2012 – 13

“I gained a lot of knowledge and skills in the field of male infertility. The year was very exciting and went by very fast. Honestly, I would not have gained this level of knowledge anywhere else in a year’s duration. My deepest gratitude to Dr Agarwal for being a great mentor and a real friend. I truly appreciate and value everything I have learned from Dr Agarwal and his team. It will remain a major contributor behind my success and achievements.”

Saad Alshahrani, MD | 2012 – 13

“I have benefited tremendously from the time, effort, thought and care that went into my training. The one-on-one mentorship and guidance was personalized to suit my strengths and weaknesses, and this truly made the difference. The great emphasis placed on personal growth made this a unique experience with a life-long impact.”

Damayanthi Durairajanayagam, PhD | 2012 – 13

“Throughout my training, I received strong support from my mentors. They provided me with systematic training, very good suggestions for improvement and prompt feedback. The Fellows worked as a team and supported each other in all our work. I will never forget my experience here in CRM.”

Gui Zhihong, MD | 2013 – 14

“I am sure that in no other lab in the world can a Fellow accomplish such a huge amount of work in such a short time. The Andrology Center is our family in the US and I always felt Dr. Agarwal’s support and encouragement starting from the first day.”

Ahmet Ayaz, PhD | 2013 – 14

“This Fellowship has revealed my strengths and weaknesses - situations in which I shine and moments in which I flame out. Besides a valuable lesson on how to work hard and smart, I have learnt which features of mine I have to work on in order to become a better scientist as well as person.”

Amani Shaman, MD | 2011 – 12

“I sincerely thank CRM for providing me with the chance to pursue my research project. I am also thankful to Dr. Sharma for his generous support and for taking the time to share his expertise and knowledge on my project. The training in the Andrology laboratory procedures was well organized and very satisfactory. The ART Training was very valuable to develop technical expertise in ART techniques. The highly qualified and experienced trainers made the training more beneficial. The 2014 Summer Internship Course was a great teaching experience to be a part of different training activities.”

Sezgin Gunes, PhD | 2014
During their Fellowship year at ACRM, our Research Fellows receive valuable opportunities to participate in and...

- Serve as a Mentor/Advisor during the Summer Mentorship program in Reproductive Medicine held annually in June and July. Click here to read more about our Mentorship Program.

- Receive systematic and comprehensive hands-on ART Training completely free of charge during the Advanced Reproductive Techniques course held annually in Sept and Oct. Fellows who successfully complete their ART Training will receive a Certificate. Click here to read more about our ART Training Program.

Testimonials from Research Alumni:

- "I am short of words to express my gratitude for being accepted as a Raman Post-doctoral Fellow to work at American Center for Reproductive Medicine during 2014-15. I feel proud to be associated with this prestigious institution. I always felt to have an eternal bond with the ACRM. Here I am once again after one year feel the urge to be associated with ACRM for years to come." Luna Samanta, PhD | 2015

- "ACRM offers tremendous opportunities for writing scientific articles. It provides excellent platform to collaborate and get to know other scientists. I had a great opportunity to participate in the summer internship program and mentor many medical students. At ACRM, I believe someone who is willing to work very hard and is very focused could achieve more in less time." Gulafm Ahmad, PhD | 2015

- "My stay was very helpful in improving my bench research and scientific writing skills. The extensive quality control skills learnt in setting up and running of andrology laboratory will be valuable for my own research in India."

  Shubhadeep Roychoudhury, PhD | 2016

- "ACRM is recognized as one of the highly acclaimed research programs in the field of Reproductive Medicine. Being a part of this highly renowned team was a dream come true for me. This program offered a variety of research experiences in a short time and it was a great learning experience for me. I highly recommend this program to anyone interested in the field of Andrology and infertility."

  Zeynep Cakar, MSc | 2016

- "Experience as an Observer at ACRM improved my skills both as an andrologist and as a researcher. Facilities at Cleveland Clinic and ACRM are remarkable for conducting highest quality of research. I am thankful for the opportunity of being involved in various bench and writing projects in a short period of my stay."

  Paula Intasqui Lopes, PhD | 2016

- "It was great journey for me as an Observer at the ACRM. I had an opportunity to be part of one of the most prestigious institute in the world and of meeting amazing people from all over the world who come to the same place with the same goal-to learn."

  Siew May Wang, MD | 2016

- "The knowledge I acquired at ACRM was highly valuable and worthwhile for a young researcher like me in the field of reproductive biology. I gained good hands on experience in various advanced proteomic techniques."

  Nirlipta Swain, MSc, M.Phil | 2016

- "Being both the 2015 Summer Mentorship Coordinator and a Research Student equipped me with valuable tools that I will carry with me for the rest of my life. I came in as a timid and shy person who was not confident in my work ability, and now, my time at ACRM has made me become confident in myself and my work. Thank you for motivating, supporting, and most importantly, making me realize that no goal is unattainable."

  Sindhuja Tatagari, BA | 2015 – 17
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<th>Title</th>
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<tr>
<td>A Clinician's Guide to Sperm DNA and Chromatin Damage</td>
<td>Armand Zini, Ashok Agarwal</td>
<td>2018</td>
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<td>The Complete Guide to Male Fertility Preservation</td>
<td>Ahmad Majoub, Ashok Agarwal</td>
<td>2018</td>
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<td>The Diagnosis and Treatment of Male Infertility: A Case-Based Guide</td>
<td>Nabil Aziz, Ashok Agarwal</td>
<td>2017</td>
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<td>Cryopreservation of Mammalian Gametes and Embryos: Methods and</td>
<td>Zsolt Peter Nagy, Alex C.</td>
<td>2017</td>
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<td>Exercise and Human Reproduction: Induced Fertility Disorders and</td>
<td>Diana Viamonde, Stefan S.</td>
<td>2016</td>
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<td>Recurrent Pregnancy Loss: Evidence-Based Evaluation, Diagnosis and</td>
<td>Asher Bashiri, Ari Harlev,</td>
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<td>Puberty</td>
<td>Philip Kumanov, Ashok</td>
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Ashok Agarwal, PhD, HCLD
Director, American Center for Reproductive Medicine (ACRM)
Cleveland Clinic
United States of America

**Books Published**

1. **Unexplained Infertility**
   - Glenn L. Schattman, Sandro C. Esteves, Ashok Agarwal (Editors)
   - Publication Date: 2015
   - Table of Contents

2. **Non-Invasive Sperm Selection for In Vitro Fertilization: Novel Concepts and Methods**
   - Ashok Agarwal, Edson Borges Jr., Amanda S. Sethi (Editors)
   - Publication Date: 2015
   - Table of Contents

3. **Strategies to Ameliorate Oxidative Stress During Assisted Reproduction**
   - Ashok Agarwal, Damayanthi Duraiarajayagan, Gurpreet Vrk, Stefan du Plessis
   - Publication Date: 2015
   - Table of Contents

4. **Male Infertility: A Complete Guide to Lifestyle and Environmental Factors**
   - Stefan S. du Plessis, Ashok Agarwal, Edmund S. Sabanegh Jr. (Editors)
   - Publication Date: 2014
   - Table of Contents

5. **Understanding Male Infertility Global Practices and Indian Perspective**
   - Sonia Malik, Ashok Agarwal (Editors)
   - Publication Date: 2014
   - Table of Contents

   - Sijo Parekattil, Ashok Agarwal (Editors)
   - Publication Date: November 2013
   - Table of Contents

7. **Building and Managing an IVF Laboratory: A Practical Guide**
   - Zsolt Peter Nagy, Alex C. Varghese, Ashok Agarwal (Editors)
   - Publication Date: October 2013
   - Table of Contents

8. **Clinical Embryology: A Practical Guide**
   - Zsolt Peter Nagy, Alex C. Varghese, Ashok Agarwal (Editors)
   - Publication Date: October 2013
   - Table of Contents

9. **Gamete Assessment, Selection and Micromanipulation in ART**
    - Zsolt Peter Nagy, Alex C. Varghese, Ashok Agarwal (Editors)
    - Publication Date: October 2013
    - Table of Contents

10. **Male Infertility for the Clinician: A Practical Guide**
    - Sijo J. Parekattil, Ashok Agarwal (Editors)
    - Publication Date: August 2013
    - Table of Contents

11. **Medical and Surgical Management of Male Infertility**
    - Botros RM, Rick, Nabil Aziz, Ashok Agarwal, Edmund Sabanegh (Editors)
    - Publication Date: September 2013
    - Table of Contents

12. **Sperm Chromatin for the Researcher: A Practical Guide**
    - Armand Zini, Ashok Agarwal (Editors)
    - Publication Date: September 2013
    - Table of Contents
This state-of-the-art laboratory manual contains protocols that can be used daily in the investigation of male infertility. In its 24 chapters, the book covers most of the common routine and advanced testing that is available at the present time. This text is unique in its emphasis in presenting test protocols in detail that allow immediate use in a clinical laboratory setting. It has a number of hand-drawn, artistic presentations of key equipment and procedures which add to the clarity. At the beginning of the text, information is presented to place clinical aspects of male infertility in context of the role of semen testing.

Drs Agarwal, Gupta, and Sharma combine their over 50 years of experience in running a state-of-the-art clinical andrology laboratory to provide an indispensable resource for thousands of clinicians, reproductive professionals (andrologists, embryologists), laboratory technicians, as well as other students of andrology lab testing. This experienced team has authored dozens of texts related to all aspects of male fertility. Their current book is a one of a kind work—a must-read for all with an interest in providing the highest quality and most accurate andrology testing for their patients.

Edmund Sabanegh, Jr., MD
Chairman, Department of Urology | The Cleveland Clinic | USA
The American Center for Reproductive Medicine has collaborative relationships with many renowned scientists and clinicians from over 20 countries.

Other Important Information

Applicants should keep in mind that:
- All appointments for Research Fellowship are for a minimum of 1 year and there is no financial support available.
- Candidates must have independent funds such as a private or government scholarship to support living expenses in the United States.
- Research appointments do not result in the award of a degree; successful completion of training results in the award of a Certificate of Research Training from ACRM.
- Candidates registered with their parent institutions/medical schools for a Master’s/PhD/MD degree can select the Cleveland Clinic for their research studies requirements. Research findings, once completed in our Center, can be submitted towards fulfillment of a degree from the candidate’s own institution.