

CURRICULUM VITAE

Name	Jacques Cohen
Date of birth	December 26, 1951
Place of birth	The Hague, The Netherlands
Nationality	Dutch; permanent resident USA
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EDUCATION

1970 - 1974	B.Sc. in Biochemistry, Faculty of Biology, State University Leiden, The Netherlands.
1974 - 1978	M.Sc in Reproductive Physiology, Leiden University, The Netherlands.
1978-1981	Ph.D. in Medicine, Erasmus University, The Netherlands. Thesis title: <i>Interaction between human spermatozoa and hamster oocytes</i>
1994	High-Complexity Clinical Laboratory Director (HCLD): The American Board of Bio-analysis. Last certification 2024.

EXPERIENCE

1973-1978	Assistant lecturer in Botany, State University of Leiden.
1976-1978	Assistant lecturer in Ecology, State University of Leiden.
1978-1982	Research Assistant, Department of Endocrinology, Growth and Reproduction, Medical Faculty, Erasmus University, Rotterdam, The Netherlands.
1982 - 1985	Clinical Embryologist, Bourn Hall Clinic, Bourn, Cambridge, England.
1982 - 1985	Postdoctoral Research Fellow, Department of Physiology, Cambridge University, England.
1985 - 1985	Consultant Embryologist, The Hallam Medical Centre, London, UK.
1985 - 1985	Consultant Embryologist, The Humana Wellington Hospital, London, UK.
1985 - 1986	Special Consultant, In Vitro Care, Boston Massachusetts.
1986 - 1987	Adviser Pan American Health Organization.
1985 - 1987	Associate Physiologist, Department of Physiology and Pharmacology, School of Veterinary Medicine, University of Georgia, Athens, Georgia.
1985 - 1989	Consultant embryologist, The Hong Kong Sanatorium and Hospital.
1986 - 1987	Ad Interim Laboratory Director, Ginemedex, Barcelona, Spain.
1986 - 1988	Laboratory Director (offsite), Sand Lake Hospital, Orlando, Florida.
1988 - 1989	Adjunct Scientific Director, Sam Houston Memorial Hospital, Houston

	(Texas, USA)
1985 - 1989	Scientific Director, Reproductive Biology Associates, Atlanta, Georgia, USA
1987 - 1989	Associate Professor, Gynecology and Obstetrics, Emory, Atlanta, GA.
1989 - 1995	Scientific Director of Assisted Reproduction. The Center for Reproductive Medicine and Infertility. Cornell University Medical College, New York, USA
1989 - 1995	Associate Professor of Embryology in Gynecology and Obstetrics (tenured from 1992 to 1995). Department of Gynecology and Obstetrics. Cornell University Medical College. New York, New York.
1990 - 1995	Associate Professor, Program of Cell Biology and Genetics, Cornell University Graduate School of Medical Sciences. New York, New York.
1994 - 2003	Director, ART Institute of New York and New Jersey, Inc.
1995 - 2003	Science Director of Assisted Reproduction. The Gamete and Embryo Research Laboratory. Institute for Reproductive Medicine and Science. Saint Barnabas Medical Center. Livingston and West Orange, New Jersey.
2004 – 2011	Consultant Science Director of Assisted Reproduction. Institute for Reproductive Medicine and Science at Saint Barnabas Medical Center. Livingston, New Jersey.
1996 - 1997	Associate Research Scientist, The Center for Reproductive Medicine, Englewood, Colorado
1995 - 1999	Adjunct Research Scientist, College of Surgeons and Physicians of Columbia University, New York, USA
1996 - 2003	Adjunct Clinical Professor, Department of Obstetrics and Gynecology, School of Medicine, The University of Connecticut
1995	Co-Founder of Alpha International - Scientists in Reproduction
1997 - 1999	President, Alpha International – Scientists in Reproduction
2001 – 2014	Co-Founder and Director, Reprogenetics LLC.
2014 – 2015	Consultant Reprogenetics (Integramed)
2015 – 2018	Consultant Cooper Genomics
2001 – 2012	Co-founder and Director of R&D, GenX International, IVF-online, Life-Global
1999 - present	Director, ART Institute of Washington at Walter Reed Army Medical Center (2000-2010). Director ART Institute of Washington at Walter Reed National Military Medical Center (2010 – 2022)
2003 – 2007	Founder and Board Member of PGDIS – PGD International Society
2005 – 2011	Founder and Board Member of SIG-PGD / ASRM
2001 – 2008	Associate editor, Healthcare International, Reproductive Biomedicine Online, UK
2001 - present	Co-founder and director, Reproductive Healthcare, UK

2001 - 2005	Laboratory Co-Director and Co-founder CODA laboratories, Director CRM, London, United Kingdom
2002 - 2004	Consultant Science Director, Long Island IVF, Port Jefferson, NY
2003 - 2018	R&D Director, Tyho-Galileo Research Laboratories LLC., New Jersey.
2008 - 2015	Editor-in-chief, Reproductive Biomedicine Online, Cambridge, UK
2016 - present	Emeritus Chief Editor, Reproductive Biomedicine Online, Cambridge, UK
2009 - 2013	Co-Founder IVFreports.org
2014 – present	Co-Founder and Product Developer Althea Science (IVFqc)
2010 – 2012	Advisory Board American College of Embryology (ACE)
2011 – 2012	Advisory Board Optum Health Reproductive Group
2016 - 2022	Phosphorus Inc, Advisory Board
2018 - 2022	KindBody, Scientific Advisory Board & Consultant
2023 - 2024	KindBody, Advisory Board, Chair
2018 – present	TMRW, Advisory Board
2019 – 2021	DADI, Advisory Board
2020 – present	Orchid Health, Advisory Board
2020 – present	International IVF Initiative (i3) – co-founder and CORE team member.
2020 – present	IVF 2.0 (UK and Mexico), Chief Scientific Officer, co-founder.
2022 – 2022	Ohana Biosciences, Advisor Board member.
2023 – CURRENT	Conceivable Life Sciences, Chief Scientific Officer, Scientific Advisory Board Chair, NY 10012.

Awards

1994	Resolve Family Building Award. Awarded by Resolve – The National Infertility Association.
1998	The Embryologists Life Award “Significant Achievement Award”. Awarded by Serono Laboratories, Inc.
2001	Resolve Family Building Award. New Jersey Chapter.
2003	Robert G. Edwards Science Award’ – American Infertility Association (AIA)
2017	Embryologist of The Year award: American College of Embryology
2020	Lifetime Achievement Award: Society of Reproductive Biologists and Technologists. American Society of Reproductive Medicine
2024	Ian Johnston Memorial Lecture – Fertility Society of Australia and New Zealand

Publications (peer-review and pubmed)

1981	Cohen J, Felten P, Zeilmaker GH: In vitro fertilizing capacity of fresh and cryopreserved human spermatozoa. A Comparative study of different freezing and thawing procedures. <i>Fertility and Sterility</i> 36 : 356 - 362.
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- Cohen J, Euser R, Schenck PE, Brugman FW, Zeilmaker GH: Motility and morphology of human spermatozoa in split ejaculates. *Andrologia* **13**: 491 - 498.
- Aafjes JH, Cohen J, Wolffensperger-van Oort HJ, Vreeburg JTM: Fumarase activity in human ejaculates shows no relationship with sperm-motility or penetration ability of zona-free hamster eggs. *Andrologia* **13**: 578 - 582.
- 1982** Cohen J, Aafjes JH: Proteolytic enzymes stimulate human spermatozoa motility and penetration ability into hamster ova. *Life Sciences* **30**: 899 - 904.
- Cohen J, Weber RFA, van der Vijver JCM, Zeilmaker GH: In vitro fertilizing capacity of human spermatozoa using zona-free hamster ova. Interassay variation and prognostic value. *Fertility and Sterility* **37**: 565 - 572.
- Cohen J, Mooyaart, Vreeburg JTM, Zeilmaker GH: Fertilization of hamster ova by human spermatozoa in relation to other semen parameters. *International Journal of Andrology* **5**: 210 - 224.
- Weeda AJ, Cohen J: Effects of purification or split ejaculation of semen and stimulation of spermatozoa by caffeine on their motility and fertilizing ability with the use of zona-free hamster ova. *Fertility and Sterility* **37**: 817 - 822.
- 1984** Edwards RG, Fishel SB, Cohen J, Fehilly CB, Purdy JM, Slater JM, Steptoe PC, Webster JM: Factors influencing the success of in vitro fertilization for alleviating human infertility. *The Journal of In Vitro Fertilization and Embryo Transfer* **1**: 3 - 23.
- Foreman R, Cohen J, Fehilly CB, Fishel SB, Edwards RG: The application of the zona-free hamster egg test for the prognosis of human in vitro fertilization. *The Journal of In Vitro Fertilization and Embryo Transfer* **1**: 166 - 174.
- Cohen J, Edwards RG, Fehilly CB, Fishel SB, Hewitt J, Rowland GF, Steptoe PC, Webster JM: Male infertility successfully treated by in vitro fertilization. *The Lancet* **1**: 1239 - 1240.
- Cohen J, Hewitt J, Rowland GF: Application of in vitro fertilization in cases of a poor post coital test. *The Lancet* **2**: 583.
- Rowland GF, Hewitt J, Cohen J: Selection of infertile men for in vitro fertilization. *The Lancet* **2**: 1150 - 1151.
- Cohen J, Edwards RG, Fehilly CB, Fishel SB, Hewitt J, Rowland GF, Steptoe PC, Webster JM: Treatment of male infertility by in vitro fertilization: factors affecting fertilization and pregnancy. *European Journal of Fertility and Sterility* **15**: 455 - 465.
- 1985** Cohen J, Simons RF, Edwards RG, Fehilly CB, Fishel SB: Pregnancies following the frozen storage of expanding human blastocysts. *The Journal of In Vitro Fertilization and Embryo Transfer* **2**: 59 - 64.
- Hewitt J, Cohen J, Edwards RG, Fehilly CB, Fishel SB, Rowland RF, Steptoe PC, Webster JM: Seminal bacterial pathogens and in vitro fertilization. *Journal of In Vitro fertilization and Embryo Transfer* **2**: 105 - 106.
- Cohen J, Edwards RG, Fehilly CB, Fishel SB, Hewitt J, Purdy JM, Rowland RF, Steptoe PC, Webster JB: In vitro fertilization: a treatment for male infertility. *Fertility and Sterility* **43**: 422 - 433.
- Cohen J, Edwards RG, Fehilly CB, Fishel SB, Hewitt J, Rowland GF, Steptoe PC, Walters DE, Webster JM: In vitro fertilization using cryopreserved donor semen in cases where both partners are infertile. *Fertility and Sterility* **43**: 570 - 574.

- Cohen J, Fehilly CB: Prolonged survival of human spermatozoa stored at room temperature or in a refrigerator. *Fertility and Sterility* **44**: 254 - 262.
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- Cohen J, Hewitt J, Krishnaswami V, Edwards RG, Fehilly CB, Fishel SB, Rowland GF, Steptoe PC, Walters DE, Webster JM: Treatment of male infertility, cervical mucus hostility and idiopathic infertility by in vitro fertilization or artificial insemination with husband's semen. *Fertility and Sterility* **44**: 350 - 354.
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- Hewitt J, Cohen J, Mathew T, Rowland GF: Cryopreservation of semen in patients with malignant disease: role of in vitro fertilization. *The Lancet* **2**: 445-446.
- 1986** Cohen J, Simons RF, Fehilly CB, Edwards RG: Factors affecting survival and implantation of cryopreserved human embryos. *Journal of In Vitro Fertilization and Embryo Transfer* **3**: 46 - 52.
- Cohen J, Avery A, Campbell S, Mason BA, Riddle A, Sharma V: Follicular aspiration using a syringe suction system may damage the zona pellucida. *Journal of In Vitro Fertilization and Embryo Transfer* **3**: 224 - 226.
- 1988** Cohen J, DeVane GW, Elsner CW, Fehilly CB, Kort HI, Massey JB, Turner TG: Cryopreservation of zygotes and early cleaved human embryos. *Fertility and Sterility* **49**: 283 - 289.
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- 1989** Malter HE, Cohen J: Partial zona dissection of the human oocyte: a nontraumatic method using micromanipulation to assist zona pellucida penetration. *Fertility and Sterility* **51**: 139 - 145.
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- Cohen J: Assisted hatching of human embryos. *Journal of in vitro fertilization and embryo transfer* 8:179-190.
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- Cohen J, Talansky BE, Adler A, Alikani M, Rosenwaks Z: Controversies and opinions in clinical microsurgical fertilization. *Journal of Assisted Reproduction and Genetics*, 9:94-96.
- Alikani M, Adler AM, Malter HE, Cohen J: Subzonal sperm insertion and the frequency of gamete fusion. *Journal of Assisted Reproduction and Genetics*, 9:97-101.
- Cohen J, Adler A, Alikani M, Berkeley A, Davis O, Ferrara TA, Graf M, Grifo J, Liu H-C, Malter HE, Reing AM, Suzman M, Talansky BE, Trowbridge J, Rosenwaks Z: Microsurgical fertilization procedures: absence of stringent criteria for patient selection. *Journal of Assisted Reproduction and Genetics*, 9:197-206.
- Cohen J, Alikani M, Trowbridge J, Rosenwaks Z: Implantation enhancement by selective assisted hatching using zona drilling of embryos with poor prognosis. *Human Reproduction*, 7:685-691.
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- Alikani M, Cohen J: Micromanipulation of cleaved embryos cultured in protein-free medium: a mouse-model for assisted hatching. *Journal of Experimental Zoology*, 263: 458-463.
- Cohen J, Alikani M, Reing AM, Ferrara TA, Trowbridge J, Tucker M: Selective assisted hatching of human embryos. *Archives of Medicine Singapore*, 21: 565-570.
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- 1993** Leyi L, Munné M, Licciardi F, Neev J, Tadir Y, Berns M, Godke R, Cohen J: Microinjection of FITC-Dextran into mouse blastomeres to assess topical effects of zona photoablation. *Zygote*, 1, 43-48.
- Munné, S, Weier H-U G, Stein J, Grifo J, Cohen J: A fast and efficient method for simultaneous X and Y in situ hybridization of human blastomeres. *Journal of Assisted Reproduction and Genetics*, 10, 82-90.
- Adler A, McVicker Reing A, Bedford MJ, Alikani J, Cohen J: Plasmanate as a medium supplement for in vitro fertilization. *Journal of Assisted Reproduction and Genetics*, 10, 67-71.

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- Munné S, Cohen J: Unsuitability of multinucleated human blastomeres for preimplantation genetic diagnosis. *Human Reproduction*, 8, 1120-1125.
- Munné S, Tang YX, Weier HUG, Stein J, Finkelstein M, Grifo J, Cohen J: Sex distribution in precompacted arrested human embryos. *Zygote*, 1, 155-162.
- Alikani M, Olivennes F, Cohen J: Microsurgical correction of partially degenerate mouse embryos promotes hatching and restores their viability. *Human Reproduction*, 8, 1723-1728.
- Liu H-C, Cohen J, Alikani M, Noyes N, Rosenwaks Z : Assisted hatching facilitates earlier implantation. *Fertility and Sterility*, 60, 871-875.
- Munné S, Tang Y-X, Grifo J, Cohen J: Origin of single pronucleated human zygotes. *Journal of Assisted Reproduction and Genetics*, 10, 276-279.
- Xu K, Tang Y, Grifo JA, Rozenwaks Z, Cohen J: Primer extension preamplification for detection of multiple genetic loci from single human blastomeres. *Human Reproduction*, 8, 2206-2210.
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- 1994** Munné S, Tang YX, Grifo J, Rosenwaks Z, Cohen J: Sex determination of human embryos using the polymerase chain reaction and confirmation by fluorescence in situ hybridization. *Fertility and Sterility*, 61, 111-117.
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- Palermo G, Munné S and Cohen J: The human zygote inherits its mitotic potential from the male gamete. *Human Reproduction*, 9 (7), 1220-1225.
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Editorial Positions

Reproductive Technology Update: Editorial Board, 1989-1991.

Journal of Assisted Reproduction and Genetics: Editorial Board, 1992-1996.

Assisted Reproductive Technology Editorial Board, 1990-1992.

Human Reproduction: Corresponding editor, 1991; International Editor, 1992-1998

Zygote: Associate Editor, 1993-2003. North-American Editor – 2003 -present

Assisted Reproduction Reviews: Editorial board, 1991-2000.

Cloning: 2000 - present.

Reproductive Biomedicine Online: Director and ART editor: 2000 – 2015. Director 2000 - present.

Reproductive Biomedicine Online: Editor-in-Chief: 2008 – 2015.

Reproductive Biomedicine Online: Editor Emeritus, 2016 – present.

Fertility and Sterility: Editorial Board, 2007- 2012.

Books and workshops

Cohen J, Malter HE, Talansky BE, Grifo J: *Micromanipulation of Human Gametes and Embryos*. Raven Press, New York, 1992.

Cohen J, Course Director – Annual and Biannual Micromanipulation workshops, 1988-1999, Cornell University Medical College and Saint Barnabas Medical Center.

Cohen J, Course co-director, Annual UCLA meeting on IVF, Santa Barbara, 1995-2000.

Cohen J, Course Director, Biannual Review of Human Pre-implantation Embryology, 2001 - 2007

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- Cohen J: Microfertilization experience and choice of method. Annual Scientific Meeting The Fertility Society of Australia: Serozo Satellite Symposium on Male Infertility, Adelaide, South Australia, November 1992.
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- 1993** Cohen J: Zonal Procedures in ART. VIIIth World Congress on Human Reproduction Joint IVth Work Conference on Fallopian Tube in Health and Disease, Bali, Indonesia, April 1993.
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- Cohen J: Zonal Procedures in ART. 1st Asean and Asian Symposium of Infertility: Micromanipulation and Co-culture, Obstetrical & Gynecological Society of Singapore, Singapore, April 1993.
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- Cohen J: Microsurgery in Human Embryology. Assisted Reproductive Technologies What's News One Day Symposium, Beth Israel Medical Center, April 1994.
- Cohen J: Assisted Hatching. The Florida Endocrinology Society, Orlando, Florida, March 1993.
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- Cohen J: Microsurgical fertilization. Micromanipulation of Gametes and Embryos, Cornell University Medical College, New York, New York, March 1993.
- Cohen J: Zona Biometrics for Assisted Hatching. Micromanipulation of Gametes and Embryos, Cornell University Medical College, New York, New York, March 1993.
- Cohen J: Assisted Hatching: indications and techniques. Instituto Materno-Infantile: XII Meeting on Fertility and Sterility, Genoa, Italy, May 1993.
- Cohen J: Microinsemination. Assisted Reproductive Technologies: An International Symposium, Chicago, Illinois, May 1993.
- Cohen J: Assisted Hatching and Embryo Biopsy. Assisted Reproductive Technologies: An International Symposium, Chicago, Illinois, May 1993.
- Cohen J: Micromanipulation Research in Clinical Embryology. Institute of Medicine's Conference on Fetal Research and Applications, Irvine, California, June 1993.
- Cohen J: Micromanipulation to aid fertilization- PZD or SZI ? In Vitro Fertilization and Embryo Transfer-UCLA School of Medicine, Santa Barbara, California, July 1993.
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- Cohen J: Assisted Hatching. The Zimbabwe I.V.F. Association, Zimbabwe, South Africa, August 1993.
- Cohen J. Assessment and rescue of genetically abnormal embryos. The Zimbabwe I.V.F. Association, Zimbabwe, South Africa, August 1993.
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- Cohen J: Micromanipulation techniques for assisted fertilization and implantation", Mini-Symposium on Micromanipulation for Assisted Reproduction-Fertility Center of Scandinavia, Carlanderska Hospital, Goteborg, Sweden, September 1993.
- Cohen J: Assisted Hatching. VIIth World Congress on In Vitro Fertilization and Alternate Assisted Reproduction, Kyoto, Japan, September 1993.

- Cohen J: Monozygotic Twinning is associated with artificial or natural thinning of the zona pellucida. VIIth World Congress on In Vitro Fertilization and Alternate Assisted Reproduction, Kyoto, Japan, September 1993.
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- Cohen J: Abnormal Development in Human Embryos. XX International Symposium Fertilidad 93, Barcelona, Spain, November 1993.
- 1994** Cohen J: Micromanipulation of human gametes: advantages outweigh potential drawbacks. Congress "Fertiliteitsonderzoek en Behandeling Anno 1994", Rotterdam, The Netherlands, February 1994.
- Cohen J: The science and fiction of embryo manipulation: Fear of cloning. The National Advisory Board on Ethics in Reproduction: Embryo Splitting / Cloning Workshop, Washington, D.C., February 1994.
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- Cohen J: Abnormalities of fertilization and activation and strategies for correction. Cornell University Medical College, Micromanipulation of Gametes and Embryos, New York, New York, April 1994.
- Cohen J: Intra-cytoplasmic sperm injection. International Hospital of Istanbul: Recent Advances in Assisted Conception: International Hospital of Istanbul, Istanbul, Turkey, May 1994.
- Cohen J: Enhancement of fertilization by micromanipulation anomalies of activation and fertilization in the human. Michael Reese Hospital and Medical Center & University of Illinois: Assisted Reproduction in the 21st Century, Chicago, Illinois, May 1994.
- Cohen J: Breakthroughs in the Lab: Understanding Hatching, ICSI, SZI and Zona Micromanipulation. Resolve NYC Symposium, Infertility: Exploring the pathways to Resolution, New York, New York, May 1994.
- 1995** Cohen J: Normal and abnormal development after fertilization. Plenary Lecture. IETS, International Embryo Transfer Society, Calgary, Canada, January, 1995.
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- Cohen J: Oocytes in Aging Women: Laboratory Diagnosis and Future of Gametes and Embryos. International Symposium on Peri-menopause, Palm Beach, Florida, November 1995.
- Update for 1995...
- 1996** Cohen J: Cytoplasmic transplantation & Zygote Reconstitution: Are there clinical applications? Current cooperative Techniques. Pacific Coast Fertility Society, Indian Wells, California, April 1996
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- Cohen J: ICSI and Assisted Hatching - Update. ICSI Seminar and Demonstration, Tokyo, Japan, June 1996.
- Cohen J: Single Sperm Freezing, The Laboratory Environment - Air Quality, Equipment, Oil Overlay Micro drop Culture System. 10th Annual In Vitro Fertilization and Embryo Transfer -, Santa Barbara, California, July 1996.
- Cohen J: Oocytes in Aging Women. Department of Obstetrics and Gynecology Grand Rounds, Jersey Shore Medical Center, Neptune, New Jersey, October 1996.
- Cohen J: Embryology now and in the year 2000. American Society for Reproductive Medicine, Boston,

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Cohen J: Preimplantation Genetics. Grand Rounds for MCP/Hahnemann School of Medicine, Philadelphia, Pennsylvania, December 1996.

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- Cohen J: Cytoplasmic Donation and Recent Advances in Assisted Reproductive Technologies, Colorado Ob/Gyn Society, Denver, Colorado, February 1997.
- Cohen J: Preimplantation Genetic Diagnosis, Visiting Professorship/Grand Rounds, University of Colorado Health Sciences Center, February 4, 1997.
- Cohen J: Cytoplasmic Transfer, Normal and Abnormal Development after Fertilization. The Basic Science and Clinically Applied Technology of In Vitro Fertilization, San Francisco, California, February 17-18, 1998.
- Cohen J: Reproductive Technology discussion. Princeton University, Department of Molecular Biology, Princeton, New Jersey, March 5, 1997.
- Cohen J: Gamete and Embryo Research. Andrology in the Nineties - An International Symposium on Male Infertility, Norfolk, Virginia, March 13-14, 1997.
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