

DR. ANASTASIOS ARGYRIOU
Biologist – Senior Clinical Embryologist

I. General Information

Address: 5-7, Valtetsiou Str.,
15235 Vrilissia, Attiki, Greece

Birthdate: July 11, 1960

Marital Status: Married, Two Children (Alexandra 25, Dimitris 23)

Telephone: +30-6944366517

E-mail: a.argyriou@yahoo.gr

II. Education

Undergraduate: Diploma in *Biology*,
Univ. of Athens, Greece, 1983

Graduate: Diplome d' Etudes Approfondies (D.E.A.)
In *Endocrinology and Development*
Univ. of Caen, France, 1985

University Diploma (D.U) in *Andrology*
Univ. of Paris XI, France, 1986

Ph.D in the *Physiology of Reproduction*
University of Paris VI, France, 1988

III. Professional Experience

2/2017- today: Institute of Life, IASO Maternity
37-39 Kifisias ave, 15123 Marousi, Athens, Greece
Clinical Embryologist' s external collaboration

1/2017-today: Mediterranean Fertility Institute,
24 Zimvrakakidon st, 73136 Chania, Creta, Greece
Clinical Embryologist' s external collaboration

2/2013-12/2016: IVF Unit, Medimall,
2, Mesogion Ave, 11527 Athens, Senior Clinical Embryologist

- 10/2006-2/2013: IVF Unit, Public Maternity «Elena Venizelou»,
2 Elena Venizelou Sqr, 11521 Athens, Greece
Senior Clinical Embryologist
- 6/2009-12/2015: Biogenesis Fertility Center,
3 Justinian Str, Sector 2, Bucharest, Romania
Senior Clinical Embryologist
- 6/2003-12/2007: IVF Unit, Medsana Bucharest Medical Center,
12 Dr Nanu Muscel Str, Sector 5, Bucharest, Romania
Senior Clinical Embryologist
- 6/2003-9/2006: IVF Unit, Diagnosis Medical Center,
166 Alexandras Ave, 11521 Athens, Greece
Senior Clinical Embryologist
- 2/2001-5/2003: IVF Unit, Embioiatriki Medical Center,
10-12 Vournazou Str, 11521 Athens, Greece
Senior Clinical Embryologist
- 4/1997-12/2000: IVF Unit, Mitrotita Fertility Center,
14 Papdiamadopoulou Str, 11528 Athens, Greece
Senior Clinical Embryologist
- 9/1997-9/2000: Department of Biology of Reproduction, Ippocratis Medical
Center, 77 Gr. Lambraki Ave, 18454 Nikea, Attiki, Greece
Chief Biologist
- 7/1990-2/2000: IVF Unit, Private Maternity "Hera"
264 Mesogion Ave, 15562 Cholargos, Attiki, Greece
Senior Clinical Embryologist

IV. Training and Seminars

- 2016: University College of London (UCL), England
Specialized courses and hands on practice in PGD and PGS
- 2009: "ENDOSCOPIKI" Medical Company, Greece
"Vitrification of human oocytes and embryos"
- 1997: Van Helmont Hospital, Vilvoorde, Brussels, Belgium
"Intracytoplasmic injection of human spermatids in human oocytes"
- 1994: Van Helmont Hospital, Vilvoorde, Brussels, Belgium
"Intracytoplasmic injection of human spermatozoa in human oocytes"

- 1991: Edouart Herriot Hospital, Lyon, France
"Slow freezing of human spermatozoa and human embryos"
- 1990: Edouart Herriot Hospital, Lyon, France
Training course in the field of In vitro Fertilization in human

V. Teaching Activity

- Undergraduate Courses:
- *Biology*
 - *Public hygiene*
- Univ. of Athens, Department of
Primary Education (2003-2006)
- Postgraduate Courses:
- *Biology of Reproduction*
- Univ. of Thessalia, Greece
School of Medicine (2007-2011)
- *Applications of Biology in Medicine*
 - *Immunology*
- Univ. of Athens, Department of Biology (2009-
today)

VI. Scientific Director of the following Studies

- 2012-2013: Ex vivo study of effect of non ionizing electromagnetic radiation emitted from dect base on human sperm
Department of cell biology and biophysics, University of Athens
- 2001-2002: Hypermicroscopic examination of oligoasthenoteratospermia in couples participating in cycles of IVF-ICSI
Department of cell biology and biophysics, University of Athens
- 1997-1998: Sperm parameters and outcome of intra-uterine insemination
Department of molecular biology, biotechnology and genetics, University of Athens
- 1996-1997: Comparison between two methods of in vitro elaboration of human Sperm (swim-up and gradient elution methods)
Department of molecular biology, biotechnology and genetics, University of Athens

VII. Professional Activities and Public Services

A. Organizer, co-ordinator and advisor of clinical courses

- 11/1994: Examination of the fertilizing ability of human spermatozoa
Greek Andrology Society
- 11/1992: Varicocele
Greek Andrology Society
- 3/1991: Modern methods of elaboration and cryopreservation
of human sperm.
Intrauterine insemination
Greek Andrology Society
- 3/1990: Techniques in Andrology
Greek Andrology Society .
- 2005-2010: Member of the National Committee for the Assisted Reproduction

B. Professional and Scientific Memberships

- 2007-2009: President of the Board of Directors of the Greek Association of the
Clinical Embryologists (P.E.K.E.)
- 2005-today: Member of the Greek Society of Health Education
- 1998-today: Member of the Greek Association of the Clinical Embryologists
(P.E.K.E.)
- 1995-today: Member of the European Society of Human Reproduction and
Embryology(E.S.H.R.E.)
- 1993-1995: Member of the Board of Directors of the Greek Andrology Society
- 1989-today: Member of the Greek Endocrinology Society
- 1988-today: Member of the Greek Andrology Society

VIII. Publications

i. Ph.D. Thesis and Post-graduate Theses

1. A. ARGYRIOU
Etude de la stéroïdogénèse dans le testicule de l' homme jeune.
These de Doctorat (Ph.D.), Université Paris VI, Paris, France 1988.
2. A. ARGYRIOU
Mise au point d' une technique de separation des steroides par chromatographie
liquide à haute pression (H.P.L.C.). Application à l' etude de la biosynthèse des
steroides dans les cellules de Leydig du rat mature.
Diplôme d' Etudes Approfondies (D.E.A.), Université de Caen, Caen, France, 1985.
3. A. ARGYRIOU
Etude des interactions entre les différents types cellulaires du testicule.
Diplôme d' Université d' Andrologie, Université Paris XI, Paris, France. 1986.

ii. Publications in International Journals

1. S. ZIMERAS, A. ARGYRIOU and G. XYDIAS
Epidemiological analysis of important factors for natural cycles of poor responder women.
Journal of Applied Medical Sciences, vol 1, no 1, 117-134, 2012
2. A. ARGYRIOU
Hormonal control of gametogenesis.
Anosia, 5, Supplement 38-50, 2009
3. G. XYDIAS, S. LIARMAKOPOULOU, A. ARGYRIOU, A. SARELLA, A. DIMAKI and H. PAPPA
A controlled trial of natural cycles with and without GnRH antagonist administration in poor responder women.
Review of Clinical Pharmacology and Pharmacokinetics. Intern. Edition 21, 91-93, 2007
4. N. MAILLARD, S. WOLCZYNSKI, A. ARGYRIOU A., M.A. DROSDOWSKY P. FOUCAULT and S. CARREAU
Steroidogenesis in the two enriched Leydig cell populations of human testis: evidence for a positive control by the seminiferous tubules secreted factor(s)
Archives of Andrology, 33, 187-199, 1994
5. S. CARREAU, N.MAILLARD, P.FOUCAULT, M.BOITTIN, A. ARGYRIOU and M.A. DROSDOWSKY
Etude des interactions entre les cellules du tube seminifère et les cellules de Leydig chez l' homme.
Pathol Biol 39(10), 1018,1991
- 5 .M.A. DROSDOWSKY, N. MAILLARD, A. ARGYRIOU, N. BOUJRAD, N.OULHAJ, and S. CARREAU
Human seminiferous tubule-Leydig cell interaction:an in vitro approach
J. Androl. A 93, 44, 1990
6. A. ARGYRIOU, N. BOUJRAD, E. MARIE, M.A. DROSDOWSKY and S. CARREAU
La stéroidogénèse leydigienne chez l' homme jeune: comparaison entre fragments testiculaires et préparations cellulaires.
Annl. Endocr. 49, 115C, 1988
7. N. BOUJRAD, A. ARGYRIOU, E. MARIE, M.A. DROSDOWSKY, and S.CARREAU
Rôle de la protéine kinase C (pK-C) dans la régulation de la fonction leydigienne chez l' homme jeune.
Annl. Endocr, 49, 115C, Dec.1988.
8. D. GROCHOWSKI, A. ARGYRIOU , E.MARIE, M.A. DROSDOWKY and S. CARREAU
Effect of enzymatic cofactors on chronic HCG desensitization in testicular tissue : comparison between rat and man.
J. Steroid Biochem., 28, Suppl. 115, 1987.

iii: Publications in Greek Journals

1. ARGYRIOU A.
Comparison between two substitutes of Percoll solution for the isolation of spermatozoa after centrifugation, using the method of the gradient elution
"ANIR", Journal of the Greek Andrology Society, vol 1, an 4, pp 48-50, 1999
2. ARGYRIOU A.
Methods of Assisted Reproduction
"GONADS", Journal of the Greek Endocrinology Society, pp 463-473, February 2002
3. ARGYRIOU A.
Elaboration and cryopreservation of testicular tissue before microinjection of human oocytes
"ANIR", Journal of the Greek Andrology Society, vol 7, an 3, pp 117-122, 2005
4. ARGYRIOU A. and LIARMAKOPOULOU S.
Subfertility and life style: is there any comparison?
"NEA YGEIA", Journal of the Greek Society of Health Education, March 2006

iv. Presentations in International Congresses

1. ARGYRIOU A., GROCHOWSKI D., DROSDOWSKY M.A. and CARREAU S.
HCG Responsiveness of human testicular tissue :important increase by enzymatic cofactors.
I European Congress of Endocrinology. June 1987, Copenhagen, DANEMARK.
2. MARIE E., ARGYRIOU A., GROCHOWSKI D., CARREAU S. and DROSDOWSKY M.A.
La steroidogenese leydigienne chez l'homme jeune.
V Congres de la Societe d' Andrologie de Langue Francais. December 1987, Par FRANCE.
3. BOUJARAD M. ARGYRIOU A., MARIE E., GROCHOWSKI D., CARREAU S. and DROSDOWSKY M.A.
The lack of enzymatic cofactors could explain the weak HCG responsiveness of human testicular tissue.
V European Workshop ou Molecular and Cellular Endocrinology of Testis, April 1988, Brighton, ENGLAND.
4. CARREAU S., ARGYRIOU A., BOUJRAD N., MARIE E., and DROSDOWKY M.A.
Protein kinase C (PK-C), a second messenger likely involved in the regulation of human Leydig cell steroidogenesis.
X Testis Workshop (USA), Baltimore, 8-11 Dec. 1988.
5. ARGYRIOU A., N.BOUJRAD, E.MARIE., D.GROCHOWSKI.,S.CARREAU and M.A. DROSDOWSKY.
The Leydig cell steroidogenesis in young men: comparison between incubation of testicular pieces and crude interstitial cell preparations.
70 Endocrine Society Meeting, Bethesda, USA, 1988.
6. S.CARREAU ., A.ARGYRIOU, N. OULHAJ, N. MAILLARD, N. BOUJRAD and M.A. DROSDOWSKY.
Protein kinases A and C are equally potent to improve Leydig cell steroidogenesis in young men.
IV International Congress of Andrology. Florence, Italy. May 14-18, 1989.

7. S.CARREAU., A.ARGYRIOU, E.MARIE and M.A. DRSOSOWSKY.
Testicular steroidogenesis in young men : comparisons between testicular pieces, crude and Leydig cell preparations.
VIII Workshop on Development and Function of the Reproductive Organs.
Seillac, May 23-25, 1989.
8. M.A. DROSDOWSKY., A.ARGYRIOU., N.BOUJRAD., and S.CARREAU.
Evidence for a role of protein kinase C (PK-C) in the regulations of human Leydig cell steroidogenesis.
71 Endocrine Society Meeting. Seattle, USA. June 21-29, 1989.
9. S.CARREAU., A.ARGYRIOU., D.GROCHOWSKI., E. MARIE and M.A. DROSDOWSKY.
Testicular steroidogenesis in young men : evidence for a late steroidogenic lesion,
71 Endocrine Society Meeting. Seattle, USA. June 21-29, 1989.
10. S.CARREAU., A.ARGYRIOU., N.BOUJRAD., E.MARIE and M.A. DROSDOWSKY.
Stéroidogénèse testiculaire humaine et sa regulation endocrine et paracrine in vitro.
Rencontre d' Endocrinologie, Paris, France Juin, 1989.
11. A.ARGYRIOU, A.TERPOU AND P.VASSILOPOULOS.
Efficacy of discontinuous Percoll gradients as sperm separation technique for the prediction of oocyte fertilization in IVF-E.T. cycles.
"Andrology in the Nineties" Congress, Genk, Belgium April 21-24, 1993.
12. A.TERPOU., A.ARGYRIOU, and P.VASSILOPOULOS
IVF-Homologous intrauterine insemination (AIH) results in severe male factor using individualized Percoll semen treatment.
"Andrology in the Nineties" Congress, Genk, Belgium, April 21-24, 1993.
13. A.TERPOU, A.ARGYRIOU, and P.VASSILOPOULOS
Analysis of factors influencing I.U.I results in infertility.
VII International ESHRE's Meeting, Thessaloniki, Greece, June 1993.
14. A.TERPOU, A.ARGYRIOU and P.VASSILOPOULOS
Prognostic value of hCG determinations in IVF pregnancies on day 7,15, 22 and 29 following follicular aspiration.
VII International ESHRE's Meeting Thessaloniki, Greece, June 1993.
15. ARGYRIOU A., A. TERPOU, C.AGGELOPOULOU and P.VASSILOPOULOS
Efficacy of discontinuous Percoll gradient as sperm separation technique in the elimination of antisperm antibodies and pathogen microorganisms from the seminal plasma.
VII International ESHRE's Meeting, Thessaloniki, Greece, June 1993.
16. LIARMAKOPOULOU S., MICHOU V., THOMAS D., PAPPAS H., ARGYRIOU A., APOSTOLIDIS C., XIDIAS G. and TSILIVAKOS V.
Herpes Viruses presence following density gradient semen washing technique.
XIII World Congress on IVF Assisted Reproduction and Genetics, Istanbul, Turkey, May 26-29, 2005
17. MICHOU V., LIARMAKOPOULOU S., PAPPAS H., ARGYRIOU A., XIDIAS G. and TSILIVAKOS V.
HSV infected spermatozoa following ART washing procedure..
XXI Annual Meeting of ESHRE, Copenhagen,, Denmark, June 19-22, 2005.

18. PAPPA H., LIARMAKOPOULOU S., ARGYRIOU A., SARELLA A. and XYDIAS
Assisted hatching and Natural cycle: a retrospective study
1st European Congress of Natural cycle, London, England, December 2006
19. XYDIAS G., LIARMAKOPOULOU S., ARGYRIOU A., SARELLA A. DIMAKI A. and
PAPPA H.
A controlled trial of Natural cycles with and without GnRH antagonist administration
in poor responder women: preliminary results
1st European Congress of Natural cycle, London, England, December 2006
20. ARGYRIOU A., GIANNITSI P. and XYDIAS G.
A controlled trial of natural cycles with and without GnRH antagonist administration
VII Meeting of the German and Greek Societies of Gynecology and Obstetrics,
June 2013, Corfu, Greece
21. MARGARITIS L., MANTA A., STEFI A., SELIMOU R., FASSEAS M., SYNTICHAKI P.,
ARGYRIOU A., GIANNARAKIS G. and KEFALAS K.
Differential effects of CW, FM and Pulsed EMF signals in Model Biological Systems:
the role of Dosimetry
BIOEM, 8-13 June 2014, Cape Town, South Africa
22. ARGYRIOU A., DAFNIS D., GIAKOUMAKIS I. and CONSTANTOULAKIS P.
Clinical exome sequencing of subfertile individuals participating in in vitro Fertilization
program : a pilot study
International Conference on Embryology, November 02-03, 2017, Chicago, USA
23. ARGYRIOU A., SELIMOU R., PANTAZOPOULOU M., MANTA A. and MARGARITIS L.
Ex vivo study of effect of wireless telephone radiation on human sperm International
Conference on Embryology, November 02-03, 2017, Chicago, USA
24. ARGYRIOU A.
Time Lapse Embryo Monitoring System
2nd Hands-on Workshop on PGD, Embryo biopsy and Vitrification, March 2019,
Thessaloniki, Greece

v. Presentations in Greek Congresses

1. ARGYRIOU A., PAPADOPOULOS V., BARBEY P., CARREAU S. and
DROSDOWSKY M.
Study of steroidogenesis in isolated Leydig cells of normal and irradiated rats, using
the method of High Pressure Liquid Chromatography (H.P.L.C.)
XIII Greek Endocrinological Congress, April 1986, Athens, Greece
2. ARGYRIOU A., PAPADOPOULOS V., CARREAU S. and DROSDOWSKY M.A.
In vitro influence of co-enzymes on the production of testosterone in human testis
XIV Greek Endocrinological Congress, April 1987, Thessaloniki, Greece
3. ARGYRIOU A., CARREAU S. and DROSDOWSKY M.A.
Steroidogenesis in the testis of young men
XV Greek Endocrinological Congress, April 1988, Athens, Greece

4. ARGYRIOU A., CARREAU S. and DROSDOWSKY M.A.
Influence of co-enzymes on chronic desensitization (down-regulation) in testicular tissue: comparison between rat and young men
XIV Greek Medical Congress, May 1988, Athens, Greece
5. ARGYRIOU A., CARREAU S. and DROSDOWSKY M.A.
Participation of the protein kinases A and C to the regulation of the steroidogenesis in the Leydig cells of testes of young healthy men
XVII Greek Endocrinological Congress, April 1990, Athens, Greece
6. ARGYRIOU A., CARREAU S. and DROSDOWSKY M.A.
Human Leydig cell tumor and gynecomastia: morphological and endocrinological approaches of the function of the Leydig cells of a young man
XVII Greek Endocrinological Congress, April 1990, Athens, Greece
7. ARGYRIOU A.
In vitro Fertilization and male subfertility
Congress of Greek Biologists "Molecular Biology and Cytogenetics in the field of Health", December 2000, Athens, Greece
8. ARGYRIOU A.
Elaboration and cryopreservation of testicular tissue before microinjection of human oocytes
VI Greek Andrological Congress, November 2004, Thessaloniki, Greece
9. ARGYRIOU A., ZIMERAS S., LIARMAKOPOULOU S., PAPPAS H. and XYDIAS G.
Statistical elaboration and mathematical modeling of important factors of the Natural Cycle in poor responders women to the stimulation with gonadotropines
Congress of the Greek Society of Fertility, June 2006, Thessaloniki, Greece
10. ARGYRIOU A., PAPPAS H., ZIMERAS S., LIARMAKOPOULOU S., XYDIAS G. and APOSTOLIDIS C.
Correlation of the presence of meiotic spindle with the in vitro fertilization and development of oocytes in women of different ages
Congress of the Greek Society of Fertility, June 2006, Thessaloniki, Greece
11. ARGYRIOU A.
Modern aspects in the embryological laboratory of the Assisted Reproduction
Socio-medical Congresses of Symi, July 2010, Symi, Greece
12. ARGYRIOU A.
Infections and fertilizing ability of spermatozoa
Courses of the Greek Andrology Society, March 2011, Athens, Greece
13. SELIMOU R., MANTA A., ARGYRIOU A., GIANNITSI P. and MARGARITIS L.
Ex vivo study of effect of non ionizing electromagnetic radiation emitted from dect base on human sperm
35th Congress of the Greek Society of Biological Sciences, May 2013, Nafplion, Greece

14. ARGYRIOU A.
Immunology of Reproduction
2nd Scientific Symposium in Human Assisted Reproduction "NEW HORIZONS IN In vitro FERTILIZATION" , January 2019, Athens, Greece

vi. Participations in Round Tables

1. "Methods of in vitro elaboration of the sperm"
XX Greek Endocrinological Congress, April 1993, Athens, Greece
2. "Biology: The Science of the 21st century"
Congress of the Greek Society of Biologists, March 1994, Athens, Greece
3. "Sertoli cell"
XXI Greek Endocrinological Congress, April 1994, Athens, Greece
4. "Fertilizing ability of the sperm"
I Greek Andrological Congress, November 1994, Athens, Greece
5. "Preventive Andrology"
Greek Society of Preventive Medicine, May 1995, Athens, Greece
6. "Recent Developments in Andrology"
Greek Andrological Society, November 1995, Kavala, Greece
7. "Assisted Reproduction and Male Infertility: Intrauterine Insemination with Donor sperm"
II Greek Andrological Congress, December 1996, Thessaloniki, Greece
8. "Problems in Fertility: a therapeutical approach"
Greek Endocrinological Society, Intensive Education in the Endocrinology,
9. "Legalization of In vitro Fertilization"
Greek Society of Clinical Embryologists, March 2003, Athens, Greece
10. "Male Infertility and In vitro Fertilization"
VI Congress of Greek Andrological Society, November 2004, Thessaloniki, Greece
11. "The Greek Law for the Assisted Reproduction"
1st National Congress for the therapy of the Infertility, April 2005, Athens, Greece
12. "International differences in the IVF laboratory"
Serono Symposia, December 2005, Athens, Greece
13. "Endometriosis and Assisted Reproduction"
Continuous education in Obstetrics and Gynecology, 2nd Clinic of Obstetrics and Gynecology of the University of Athens, May 2010, Athens, Greece

IX. Languages and Computer Skills

- French, English (excellent Command of both languages), Italian
- Very good knowledge of Windows 2010 and Vista (Word and Power Point)

X. References

Available upon request

XI. Writing activity

Author of the book “Assisted Reproduction – Pathways to the dream “(September 2020, in Greek language)