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Curriculum Vitae

Dr James Stanger PhD.

23 Merewether Street
Merewether
NSW 2291
Australia

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J.D. STANGER. – Personal Information.

Name: James David Stanger

Address: 5 Hillcrest Road.
Merewether.
Newcastle. NSW 2291. Australia

Date of Birth 9th January, 1950
Newcastle NSW. Australia

Marital Status Married (31 years).
Two Children (born 1978, 1982)

Qualifications BSc (Hons) James Cook University, Townsville. Queensland. Australia 1974
Degree in Biochemistry and Zoology.
Honours in Fish Reproductive Biology and Artificial Reproduction

Doctor of Philosophy, Newcastle University, 1977-1982
Murine In vitro Fertilisation.

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J.D. STANGER. – Employment Information

1977-1982	University of Newcastle –Tutor, Dept Biological Sciences
1982-1984	Scientific Director, PIVET Fertility Centre – Perth. WA. Australia
1984-2001	Scientific Director and Program Manager, Lingard Fertility Centre – Newcastle. NSW, Australia
2002-present	Director, FertAid. Pty Ltd.

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J.D. STANGER. – Academic Information.

Current Research Programmes (up to the end of 2002)

1. Use of Sperm from older Males.
Dr Matt Edwards. Hunter genetics.
2. Early Pregnancy Hormone – Urocortin
Dr Roger Smith – Dept Endocrinology, Medical School, University of Newcastle
3. Free Radical Damage to Human Spermatozoa
Dr John Aitken – Dept. Biological Sciences, University of Newcastle.
4. Study of Oestrogen Receptors
Prof Jock Findlay – Prince Henry Hospital, Monash University.
5. Development of Frozen Embryos in vitro
Lingard Fertility Centre

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J.D. STANGER. – Research Interests.

My research interests lie in oocyte and embryo development as it impacts on embryo viability and outcome. In particular, I am interested in follicle vascularization as a component in oocyte maturity and in follicle selection. This has lead me to an interest in how follicle recruitment and dominance may impact on ovarian hyper stimulation and subsequently on embryo development in vitro.

I have other interests in quality management and control and in database management.

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J.D. STANGER. – Additional Information.

I am member of the following professional Organizations.

SIRT
FSA
Alpha
ESHRE
ASRM (non-financial)

SIRT.

I was a founding member of SIRT in 1994.
I have held the position of treasurer since that its inception.
I have held to position of registrar since 1996
I have held the position of webmaster since 2000.

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J.D. STANGER. – References.

- Dr Pat Quinn
PhD
VP, R&D
Sage Biopharma Pty Ltd
7320 Binnacle Drive
Carlsbad, CA 92009-4680
USA
T: US 949-498-7404
F: US 760-930-9331
E: patrick.quinn@sagebiopharma.com
Relation: PhD Supervisor and academic Colleague
- Dr Leon Clark
MRCOG
City West IVF
12 Caroline Street
Westmead .NSW
T:
F:
Relationship: Previous Medical Director, Lingard Fertility Clinic
- Dr Maxwell Brinsmead.
PhD FRANZCOG MRCOG
Sydney IVF-Coffs Harbour
Centre Reproductive Medicine & Minimally Invasive Surgery
Baringa Private Hospital.
Mackays Road.
Coffs Harbour NSW Australia
T: 61-2-6652-1266
F: 61-2-6650-9566
E: depjb@midcoast.com.au
Relation: Previous Infertility Specialist, Lingard Fertility Centre
- Prof Barry Boettcher
PhD
c/o Department of Biological Sciences
Newcastle University
Newcastle NSW 2291 Australia
T:
F:
Relation: Previous Professor of Biological Sciences.
- Professor Tim Roberts
PhD
Department of Biological Sciences
Newcastle University
Callaghan, Newcastle. NSW 2308 Australia
T:
F:
Relation: Previous University Associate
E: bitkr@alinga.newcastle.edu.au
- Prof Robert Janson
MRCOG
Medical Director
Sydney IVF
4 O'Connell Street
SYDNEY, 2000 Australia
- Professor Alan Trounson
PhD
Centre for Human Reproduction
Monash University
Clayton. Melbourne. Vic. Australia
T:
F:
Relation: Professional Colleague

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J.D. STANGER. – General information.

History Management	I have managed the IVF unit at Lingard from its inception. This included all aspects of staff management, accounts and budget preparations, team development, etc.
Computer Skill	I established and developed the LFC database system. This model provided all computer services to the clinic including all reporting, all data collections and all accounts functions except financial receipts.
Outreach	Established an educational-based, country outreach program. This was designed to provide country patients with contact with the city based IVF program, to provide education evenings and private consultations (with the nurse coordinator or counsellor)
University Involvement	I hold a conjoint appointment with the Department of Biological Sciences. This allows linked supervision of honours or PhD students.
Society Involvement	I am actively involved in the SIRT subgroup for FSA.

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J.D. STANGER. - BIBLIOGRAPHY.

1980

Quinn,P and Stanger,J.D., (1980). Effect of purification of bovine serum albumin on the interaction of human semen with mouse ova in vitro. Biol. Reprod., 22,134-140.

1981

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1982

Quinn, P. and Stanger, J.D., (1982). Effect of albumin on the fertilization of mouse ova in vitro. Gamete Res., 6,305-313.

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1983

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1984

Stanger, J.D. and Yovich, J.L., (1984). Failure of human oocyte release at ovulation. Fertil. and Steril., 41,827-832.

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Antibodies in sera and follicular fluid of patients undergoing IVF-ET. *Proc. Fertil. Soc. Aust.* 3:19.

1985

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Psychosocial profile of 180 couples undertaking IVF. *Proc. 4th World Congress on In Vitro Fertilization.* no:240.

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1986

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Roberts, T.K., Adamson, L.M., Smart, Y.C., Stanger, J.D. and Murdoch, R.N., (1987). 'An evaluation of peripheral blood platelet enumeration as a monitor of fertilization and early pregnancy'. *Fertility and Sterility*. 47:848-858.

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Adamson, L., Stanger, J.D., Smart, Y.C., and Roberts, T.K. (1988). PAF-pretreatment impairs embryonic development. *Proc. Aust. Soc. Reprod. Biol.*, 0-16.

Burrell, J., Stanger, J.D., Brinsmead, M., Clark, L.C., and Harlow, G. (1988). Factors associated with pregnancy following donor insemination. *Proc. Fertil. Soc. Aust.*, P-30.

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1989

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Stanger, J.D., and Podsiadly, B., (1991) Pentoxifylline and fertilization. *Fertil. Soc. Aust. (meeting) 1991:32*

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1992

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1993

A. Read, J. D. Stanger, P. O'Donnell, M. Brinsmead, R. Woolcott. "Impact of Increasing Dose of hMG in Cases of Poor Ova Recovery", The Fertility Society of Australia Annual Scientific Meeting, 1993

J. D. Stanger, B. Podsiadly, K. Stevenson, "Review of Overnight Incubation of Frozen Thawed Human Embryos", The Fertility Society of Australia Annual Scientific Meeting, 1993

1994

K. Stevenson, B. Podsiadly, J. D. Stanger, "Mouse Embryo Culture Toxicity Reduced by Coculture", The Fertility Society of Australia Annual Scientific Meeting, 1993
1994

J. D. Stanger, "Preliminary Analysis of Factors Affecting ICSI", The Fertility Society of Australia Annual Scientific Meeting, 1994

J. D. Stanger, B. Podsiadly, M. Brinsmead, R. Woolcott, "Minimum Ova Number to Maximise Embryo Freezing", The Fertility Society of Australia Annual Scientific Meeting, 1994

R. Woolcott, J. D. Stanger, R. Cohen, S. Silber, "Refinements in the Methodology of Injection for Transvaginal Gamete Intra-fallopian Transfer", Human Reproduction Vol. 9, No. 8, 1994

R. Woolcott, J. D. Stanger, "The Fluid Dynamics of Injection: Variables as They Relate to Transvaginal Gamete Intra-fallopian Transfer and Tubal Embryo Transfer", Human Reproduction Vol. 9, No. 9, 1994

B. T. Podsiadly, R. H. Dunstan, T. K. Roberts, J. D. Stanger, Y. C. Smart, "Failure to Detect Platelet Activating Factor 9PAF) in Embryo Culture Medium Using Gas Chromatography and Mass Spectrometry (GCMS)", The Fertility Society of Australia Annual Scientific Meeting, 1994

B. T. Podsiadly, M. J. Hosie, C. R. Murphy, J. D. Stanger, T. K. Roberts, Y. C. Smart, "Scanning Electron Microscopy of the Uterine Surface Following PAF Treatment Prior to Mating", The Fertility Society of Australia Annual Scientific Meeting, 1994

B. T. Podsiadly, J. D. Stanger, Y. C. Smart, T. K. Roberts, "Early Pregnancy Associated Thrombocytopenia is Critical for Normal Embryo Development in the Mouse", The Fertility Society of Australia Annual Scientific Meeting, 1994

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1995.

A. Read, J.D. Stanger, H. Wellsmore "What Should We Tell Couples About IVF and Sex", The Fertility Society of Australia Annual Meeting, 1995

J.I. Stanger, J.D. Stanger, C. Gould. "E2 User Group Report: Assessment of HRT E₂ Results. The Fertility Society of Australia Annual Meeting, 1995.

J. Stanger, H. Wellsmore, A. Read. "Pain Level After Follicle Aspiration". The Fertility Society of Australia Annual Meeting, 1995.

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R. Woolcott, A. Petchpud, P.O'Donnell, J. Stanger. "Differential impact on pregnancy rate of selective salpingography, tubal catheterization and wire-guided recanalization in the treatment of proximal Fallopian tube obstruction". Human Reproduction 1995.

1996

A. Read, H. Wellsmore, J.D. Stanger. "Sex After Embryo Transfer - A Multi Centre Trial". The Fertility Society of Australia Annual Meeting, 1996.

J.D. Stanger, B. Podsiadly, K. Stevenson, R. Woolcott. "Effect of Cell Lysis on Blastocyst Formation of Frozen Embryos". The Fertility Society of Australia Annual Meeting, 1996.

J.D. Stanger, J.I. Stanger, C. Gould. "Unexpected Very High E₂ Values - Sample Tube Contamination?". The Fertility Society of Australia Annual Meeting, 1996.

H. Wellsmore, A. Read, J. Stanger, R. Woolcott. "Multidisciplinary Approach to Patient Preparation For ICSI". The Fertility Society of Australia, 1996.

R. Woolcott, J.D. Stanger. "Potentially Important Technical Variables Identified by Transvaginal Ultrasound Guided Embryo Transfer". The Fertility Society of Australia, 1996.

B. Podsiadly, R. Woolcott & J. Stanger. "Pregnancy resulting from intracytoplasmic injection of cryopreserved spermatozoa recovered from testicular biopsy". Human Reproduction 11(6):1306-1309. 1996.

1997

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Dai, K, Stanger J.D. (1997) 'Preliminary FISH analysis of abnormal embryos.' The Fertility Society of Australia, 1997.

1998

*Woolcott, R and Stanger, J.D. (1998) "Ultrasound tracking of the movement of embryo associated air bubbles on standing after transfer." Human Reproduction 13(8):2107-9.

D. Herbert and J.D.Stanger (1998) 'Zona pellucida thickness and fertilisation: differences between ivf and ICSI. The Fertility Society of Australia, 1998.

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J.D.Stanger, .R. Woolcott, M.Brinsmead (1998) Differences in fertilization rate between Puregon and Metrodin. The Fertility Society of Australia, 1998.

1999

J.D. Stanger (1999). 'It takes two to tango at transfer'. World Congress on IVF, Sydney

2000

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C. Princehorn, P. O'Donnell, J.D.Stanger (2000). 'Friday Starts: A management Advantage' The Fertility Society of Australia, 1998.

A. Lakmaker, J.D.Stanger K.Stevenson (2000). 'Fertilisation rate and the duration of human Sperm:egg Interaction'. The Fertility Society of Australia, 2000.

2001

J.D.Stanger, K.Stevenson, A.Lakmaker, R.Woolcott (2001) 'Pregnancy following fertilisation of zona-free, coronal cell intact human ova'. Hum. Reprod. 16 (1):164-167

J.D.Stanger, K.Stevenson, A.Lakmaker. R.Woolcott (2001) 'Glutamine Exposure before Cleavage enhances Pregnancy Rate' IFFS/FSA meeting Melbourne. (accepted)

J.D.Stanger, K.Stevenson, A.Lakmaker, R.Woolcott (2001) 'Syngamy Rates predict Pregnancy' IFFS/FSA, Melbourne. (accepted)

Publications under review.

J.D.Stanger, D.Herbert, K.Stevenson, R. Woolcott. 'Impact of Human Zona pellucida Dimensions on fertilisation In Vitro by IVF and ICSI'. (submitted to Human reproduction)

J.D.Stanger, K.Stevenson, A.Lakmaker, R.Woolcott 'Removal of the Zona Pellucida from Human Morula'. (submitted to Human Reproduction).

J.D.Stanger, D.Eadie, D.Morris, R.Woolcott 'Follicle Vascularization and Development: Implications for In Vitro Fertilisation' (submitted to Human Reproduction)

J.D.Stanger, K.Stevenson, A. Lakmaker, R.Woolcott. 'Glutamine addition to culture media prior to insemination of human oocytes improves subsequent pregnancy rates'. (Submitted to Human Reproduction).