



Barry Behr, Ph.D., H.C.L.D.

Professor of Obstetrics and Gynecology (Reproductive Endocrinology and Infertility) at the Stanford University Medical Center

Obstetrics & Gynecology - Reproductive Endocrinology & Infertility

CONTACT INFORMATION

• Administrative Contact

Tracy Lindsay - Administrative Associate

Email tracyl@stanford.edu

Tel 650.498.7408

Bio

BIO

Dr. Behr graduated from University of Nevada-Reno with honors and earned his Ph.D. with emphasis in Reproductive Physiology in 1991, board certified as High Complexity Laboratory Director in 1994, and board certified as Embryology Laboratory Director in 2003.

Dr. Behr is a nationally and internationally renowned clinical and scientific leader in the research and advances of human reproduction. As a world-renown scientist and lecturer, he is highly sought after to chair scientific programs and conferences, was the first non M.D. President of the Pacific Coast Reproductive Society, and has been appointed as program chair of several professional meetings. He is in the forefront of clinical and scientific advances in reproduction, nationally and internationally as an entrepreneur and has founded several fertility related businesses. Dr. Behr developed a culture medium for embryo culture to the blastocyst stage, which improved pregnancy rates, implantation rates and reduced the risks of multiple gestation in IVF. Dr. Behr has been widely recognized for his research. He has published over 90 peer-reviewed publications, and has authored over 170 abstracts and 14 book chapters.

Dr. Behr enjoys racing cars, golfing, barbequing, and spending time with his family.

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Obstetrics & Gynecology - Reproductive Endocrinology & Infertility
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- H.C.L.D., Am. Bd. of Bioanalysts
- Ph.D., Univ. of Nevada-Reno, Reno, NV , Biology (1991)

LINKS

- Stanford Fertility and Reproductive Health: <http://www.stanfordchildrens.org/en/service/fertility-and-reproductive-health>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Development of improved embryo culture conditions in vitro. Blastocyst cultures. Embryo metabolism in vitro. Embryo maternal dialogue. Clinical application and integration of extended embryo culture systems. Monozygotic twinning. Prevention of multiple pregnancy. Sperm motility enhancers. Fluorescent and non-fluorescent markers of sperm morphology and viability. Oocyte cryopreservation. Fertility preservation. Improving IVF outcome.

CLINICAL TRIALS

- Day of Embryo Transfer for Patients Undergoing In Vitro Fertilization, Not Recruiting

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (NonAC)

Michael Leung

Publications

PUBLICATIONS

- **CORRELATION BETWEEN BLASTOCYST STAGE OF EXPANSION AND CLINICAL OUTCOME: A RETROSPECTIVE ANALYSIS OF 810 SINGLE EUPLOID BLASTOCYST TRANSFER CYCLES AT A SINGLE IVF CENTER.**
Reddy, V. V., Zhao, Q., Badamjav, O., Dasig, J., Moon, J., Qin, Y., Masoudi, A., Tuyen, K., Behr, B. R.
ELSEVIER SCIENCE INC.2019: E158–E159
- **PILOT UTILIZATION OF CONVOLUTIONAL NEURAL NETWORKS TO IMPROVE THE EFFICIENCY OF FERTILIZATION CHECKS.**
Reddy, V., Badamjav, O., Meyer, D., Behr, B.
ELSEVIER SCIENCE INC.2019: E5
- **PRELIMINARY APPLICATION OF CONVOLUTIONAL NEURAL NETWORK TO IMPROVE THE EFFICIENCY OF FINDING RARE SPERMATOZOA IN MICRO-TESE SAMPLES.**
Badamjav, O., Reddy, V., Meyer, D., Eisenberg, M., Behr, B.
ELSEVIER SCIENCE INC.2019: E28
- **Euploidy in relation to blastocyst sex and morphology.** *Journal of assisted reproduction and genetics*
Wang, A., Kort, J., Behr, B., Westphal, L. M.
2018
- **A MAGNETIC LEVITATION PLATFORM FOR THE ISOLATION OF MATURE SPERM FROM TESE/TESA SAMPLES**
Durmus, G., Gupta, R., Badamjav, O., Reddy, V., Eisenberg, M. L., Behr, B., Demirci, U.
ELSEVIER SCIENCE INC.2018: E26–E27
- **A magnetic levitation platform for the isolation of mature sperm from TESE/TESA samples.** *66th Annual Pacific Coast Reproductive Society Conference*
Durmus, G., Gupta, R., Badamjav, O., Reddy, V., Eisenberg, M., Behr, B., Demirci, U.
2018
- **Guidance and Self-Sorting of Active Swimmers: 3D Periodic Arrays Increase Persistence Length of Human Sperm Selecting for the Fittest.** *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*
Chinnasamy, T., Kingsley, J. L., Inci, F., Turek, P. J., Rosen, M. P., Behr, B., Tüzel, E., Demirci, U.
2018; 5 (2): 1700531
- **Racial Variation in Semen Quality at Fertility Evaluation.** *Urology*
Khandwala, Y. S., Zhang, C. A., Li, S., Behr, B., Guo, D., Eisenberg, M. L.
2017

- **Maternal Endometrial hsa-miR-30d Is Taken Up by the Human Blastocyst and Induces Transcriptional Modifications**
Shah, M. S., Vilella, F., Behr, B., Reddy, V., Wang, W., Navarro, R., Jimenez, J., Quake, S., Simon, C.
SAGE PUBLICATIONS INC.2017: 227A
- **PRELIMINARY STUDY TO INVESTIGATE TELOMERASE REVERSE TRANSCRIPTASE EXPRESSION AMONG HUMAN CUMULUS CELLS.**
Kort, J. D., Garbuzov, A., Artandi, S. E., Behr, B.
ELSEVIER SCIENCE INC.2017: E9
- **Functional topography of the fully grown human oocyte** *EUROPEAN JOURNAL OF HISTOCHEMISTRY*
Monti, M., Calligaro, A., Behr, B., Pera, R. R., Redi, C. A., Wossidlo, M.
2017; 61 (1): 32-35
- **Guidance and Self-Sorting of Active Swimmers via 3-D Periodic Arrays** *Advanced Science*
Chinnasamy, T., Kingsley, J. L., Inci, F., Turek, P. J., Rosen, M. P., Behr, B., Tuzel, E., Demirci, U.
2017: 1700531
- **Concurrent genome and transcriptome analysis from a single trophectoderm biopsy. (Prize Paper Award.)** *66th Annual Pacific Coast Reproductive Society Conference*
Chiang, H., Kort, J., Behr, B., Snyder, M.
2017
- **Preliminary study to investigate telomerase reverse transcriptase expression among human cumulus cells.** *66th Annual Pacific Coast Reproductive Society Conference*
Kort, J., Garbuzov, A., Artandi, S., Behr, B.
2017
- **The effect of embryo biopsy on perinatal outcomes: An analysis of SART CORS.** *73rd Annual American Society for Reproductive Medicine Conference*
Kort, J., Behr, B., Wantman, E., Baker, V.
2017
- **Oocyte telomerase levels correlate with blastocyst development.** *73rd Annual American Society for Reproductive Medicine Conference*
Kort, J., Garbuzov, A., Arand, A., Behr, B., Artand, S.
2017
- **Do embryo time-lapse parameters predict euploid embryo transfer outcomes?** *73rd Annual American Society for Reproductive Medicine Conference*
Drejza, M., Kort, J., Behr, B.
2017
- **Hypertension and Male Fertility.** *The world journal of men's health*
Guo, D., Li, S., Behr, B., Eisenberg, M. L.
2017; 35 (2): 59-64
- **Biomechanics and developmental potential of oocytes and embryos.** *Fertility and sterility*
Kort, J., Behr, B.
2017; 108 (5): 738-41
- **Guidance and Self-Sorting of Active Swimmers: 3D Periodic Arrays Increase Persistence Length of Human Sperm Selecting for the Fittest.** *Adv Sci.*
Chinnasamy, T., Kingsley, J., Inci, F., Turek, P., Rosen, M., Behr, B., Tüzel, E., Demirci, U.
2017: 1-13
- **Relationship between paternal somatic health and assisted reproductive technology outcomes.** *Fertility and sterility*
Eisenberg, M. L., Li, S., Wise, L. A., Lynch, C. D., Nakajima, S., Meyers, S. A., Behr, B., Baker, V. L.
2016; 106 (3): 559-565
- **Human Embryonic Stem Cell Lines with Lesions in FOXP3 and NF1** *PLOS ONE*
Zhu, H., Behr, B., Reddy, V. V., Hughes, M., Pan, Y., Baker, J.
2016; 11 (3)
- **MICROFLUIDIC SPERM SORTING DEVICE FOR SELECTION OF FUNCTIONAL HUMAN SPERM FOR IUI APPLICATION**
Chinnasamy, T., Behr, B., Demirci, U.

ELSEVIER SCIENCE INC.2016: E17–E18

- **Human oocyte developmental potential is predicted by mechanical properties within hours after fertilization.** *Nature communications*
Yanez, L. Z., Han, J., Behr, B. B., Reijo Pera, R. A., Camarillo, D. B.
2016; 7: 10809-?
- **Human Embryonic Stem Cell Lines with Lesions in FOXP3 and NF1.** *PLoS one*
Zhu, H., Behr, B., Reddy, V. V., Hughes, M., Pan, Y., Baker, J.
2016; 11 (3)
- **Microfluidic sperm sorting device for selection of functional human sperm for IUI application.** *64th Annual Pacific Coast Reproductive Society Conference*
Chinnasamy, T., Behr, B., Demirci, U.
2016
- **Does euploid embryo ranking by trophoctoderm cell mitochondrial DNA content correspond with ranking by blastocyst morphology within an individual patient's cohort of blastocysts?** *72nd Annual American Society for Reproductive Medicine Conference*
Kort, J., Lathi, R., Behr, B.
2016
- **Does euploid embryo ranking by trophoctoderm cell mitochondrial DNA content correspond with ranking by blastocyst morphology within an individual patient's cohort of blastocysts?** *72nd Annual American Society for Reproductive Medicine Conference*
Kort, J., Lathi, R., Behr, B.
2016
- **Pilot clinical study to predict IVF outcomes using embryo mechanical parameters.** *72nd Annual American Society for Reproductive Medicine Conference*
Yanez, L., Sedan, O., Baker, V., Behr, B., Camarillo, D.
2016
- **Label-free characterization of vitrification-induced morphology changes in single-cell embryos with full-field optical coherence tomography.** *Journal of biomedical optics*
Zarnescu, L., Leung, M. C., Abeyta, M., Sudkamp, H., Baer, T., Behr, B., Ellerbee, A. K.
2015; 20 (9): 96004-?
- **Increased body mass index negatively impacts blastocyst formation rate in normal responders undergoing in vitro fertilization** *JOURNAL OF ASSISTED REPRODUCTION AND GENETICS*
Comstock, I. A., Kim, S., Behr, B., Lathi, R. B.
2015; 32 (9): 1299-1304
- **Aneuploidy rates and blastocyst formation after biopsy of morulae and early blastocysts on day 5.** *Journal of assisted reproduction and genetics*
Kort, J. D., Lathi, R. B., Brookfield, K., Baker, V. L., Zhao, Q., Behr, B. R.
2015; 32 (6): 925-930
- **Relationship between semen production and medical comorbidity** *FERTILITY AND STERILITY*
Eisenberg, M. L., Li, S., Behr, B., Pera, R. R., Cullen, M. R.
2015; 103 (1): 66-71
- **Shared Oocyte Donation Program Produces High Clinical Pregnancy Rate-A Three Year Follow Up Study.** *63rd Annual Pacific Coast Reproductive Society Conference*
Khoury, C., Frederick, J., Coffler, M., Sills, E., Behr, B., Potter, D.
2015
- **Non-invasive Technology Combining Time-lapse Imaging and Statistical Modeling: Bringing Automation into the Lab to Improve Blastocyst Selection.** *71st Annual American Society for Reproductive Medicine Conference*
Behr, B., Tan, L., Conaghan, J., Liebermann, J., Bartolucci, A., Chen, A.
2015
- **Computer-automated Time-lapse Test Results are Predictive of Pregnancy Following Blastocyst Transfer.** *71st Annual American Society for Reproductive Medicine Conference*
Behr, B., Beltsos, A., Yee, B., Kingsland, C., Benadiva, C., Liebermann, J.
2015

- **Blastocyst Implantation is Correlated with Outputs from Automated Time-lapse Analysis by the EEVA Test.** *71st Annual American Society for Reproductive Medicine Conference*
Liebermann, J., Bartolucci, A., Troup, S., Wagner Coughlin, C., Yee, B., Behr, B.
2015
- **The relationship between a man's somatic health and ART outcomes.** *71st Annual American Society for Reproductive Medicine Conference*
Eisenberg, M., Li, S., Behr, B., Nakajima, S., Baker, V.
2015
- **Comparison of epigenetic mediator expression and function in mouse and human embryonic blastomeres** *HUMAN MOLECULAR GENETICS*
Chavez, S. L., McElroy, S. L., Bossert, N. L., De Jonge, C. J., Vera Rodriguez, M., Leong, D. E., Behr, B., Westphal, L. M., Pera, R. A.
2014; 23 (18): 4970-4984
- **The role of serum testosterone in early pregnancy outcome: a comparison in women with and without polycystic ovary syndrome.** *Journal of obstetrics and gynaecology Canada : JOGC = Journal d'obstétrique et gynécologie du Canada : JOGC*
Lathi, R. B., Dahan, M. H., Reynolds-May, M. F., Milki, A. A., Behr, B., Westphal, L. M.
2014; 36 (9): 811-816
- **The evaluation of pre and post processing semen analysis parameters at the time of intrauterine insemination in couples diagnosed with male factor infertility and pregnancy rates based on stimulation agent. A retrospective cohort study** *EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY*
Luco, S. M., Agbo, C., Behr, B., Dahan, M. H.
2014; 179: 159-162
- **Semen quality, infertility and mortality in the USA** *HUMAN REPRODUCTION*
Eisenberg, M. L., Li, S., Behr, B., Cullen, M. R., Galusha, D., Lamb, D. J., Lipshultz, L. I.
2014; 29 (7): 1567-1574
- **Atypical embryo phenotypes identified by time-lapse microscopy: high prevalence and association with embryo development** *FERTILITY AND STERILITY*
Wirka, K. A., Chen, A. A., Conaghan, J., Ivani, K., Gvakharia, M., Behr, B., Suraj, V., Tan, L., Shen, S.
2014; 101 (6): 1637-U495
- **Testosterone Changes Bladder and Kidney Structure in Juvenile Male Rats** *JOURNAL OF UROLOGY*
Shortliffe, L. M., Ye, Y., Behr, B., Wang, B.
2014; 191 (6): 1913-1919
- **Morphological Assessment of Embryo Viability** *SEMINARS IN REPRODUCTIVE MEDICINE*
Abeyta, M., Behr, B.
2014; 32 (2): 114-126
- **Assessment of imaging parameters correlated with the effects of cryopreservation on embryo development** *Conference on Optical Methods in Developmental Biology II*
Zarnescu, L., Abeyta, M., Baer, T. M., Behr, B., Ellerbee, A. K.
SPIE-INT SOC OPTICAL ENGINEERING.2014
- **Are Anti-Müllerian Hormone Levels Predictive of Aneuploidy Rates?** *62nd Annual Pacific Coast Reproductive Society Conference*
Kort, J., Lathi, R., Zhao, Q., Behr, B., Baker, V.
2014
- **Day 5 "Early Blastocysts": Worthy of a Biopsy in IVF Cycles with PGS?** *62nd Annual Pacific Coast Reproductive Society Conference*
Kort, J., Lathi, R., Baker, V., Zhao, Q., Behr, B.
2014
- **Increased Body Mass Index Negatively Impacts Blastocyst Formation Rate in Patients Undergoing In Vitro Fertilization.** *62nd Annual Pacific Coast Reproductive Society Conference*
Comstock, I., Behr, B., Lathi, R.
2014
- **Paternal Age and Total Motile Sperm Parameters Are Not Correlated with Embryo Aneuploidy Rates.** *62nd Annual Pacific Coast Reproductive Society Conference*
Kort, J., Zhao, Q., Behr, B.

2014

- **A comparison of aneuploidy rates between Asian and Caucasian patients.** *30th Annual European Society of Human Reproduction and Embryology Meeting*
Behr, B., Smotrich, D., Gaona, M., Hamic, A., Wang, X., Kort, J.
2014
- **Assessing the Effects of Vitrification on Embryo Viability using Label-Free Imaging.** *70th Annual American Society for Reproductive Medicine Conference*
Zarnescu, L., Abeyta, M., Baer, T., Behr, B., Ellerbee, A.
2014
- **Mechanical Biomarkers of Oocyte Maturation.** *70th Annual American Society for Reproductive Medicine Conference*
Zarnescu, L., Han, J., Behr, B., Reijo Pera, R., Camarillo, D.
2014
- **Is there an Association between Gonadotropin Dosing and Aneuploidy Rates?** *70th Annual American Society for Reproductive Medicine Conference*
Kort, J., Zolton, J., Behr, B., Lathi, R., Baker, V.
2014
- **Embryo culture and selection: morphological criteria.** *Methods in molecular biology (Clifton, N.J.)*
Hegde, A., Behr, B.
2014; 1154: 501-532
- **EED and KDM6B Coordinate the First Mammalian Cell Lineage Commitment To Ensure Embryo Implantation** *MOLECULAR AND CELLULAR BIOLOGY*
Saha, B., Home, P., Ray, S., Larson, M., Paul, A., Rajendran, G., Behr, B., Paul, S.
2013; 33 (14): 2691-2705
- **Time-lapse microscopy and image analysis in basic and clinical embryo development research** *REPRODUCTIVE BIOMEDICINE ONLINE*
Wong, C., Chen, A. A., Behr, B., Shen, S.
2013; 26 (2): 120-129
- **Non-contact, label-free 3D imaging of developing embryos to enhance viability prediction.** *69th Annual American Society of Reproductive Medicine Conference*
Zarnescu, L., Sudkamp, H., Behr, B., Baer, T., Ellerbee, A.
2013
- **Human Embryo Donation for Research: RENEW Biobank Experience.** *61st Annual Pacific Coast Reproductive Society Conference*
Trivedi, D., Cromer, R., Dasig, J., Suarez, M., Behr, B.
2013
- **To Biopsy or Not to Biopsy: Non-Blastocysts on Day 5.** *69th Annual American Society of Reproductive Medicine Conference*
Kort, J., Zhao, Q., Lathi, R., Baker, V., Behr, B.
2013
- **Leveling the playing field – embryo transfers after trophectoderm biopsy have similar outcomes in fresh and frozen cycles.** *69th Annual American Society of Reproductive Medicine Conference*
Gustin, S., Zhao, Q., Behr, B., Lathi, R.
2013
- **Dynamic blastomere behaviour reflects human embryo ploidy by the four-cell stage** *NATURE COMMUNICATIONS*
Chavez, S. L., Loewke, K. E., Han, J., Moussavi, F., Colls, P., Munne, S., Behr, B., Pera, R. A.
2012; 3
- **Promotion of Human Early Embryonic Development and Blastocyst Outgrowth In Vitro Using Autocrine/Paracrine Growth Factors** *PLOS ONE*
Kawamura, K., Chen, Y., Shu, Y., Cheng, Y., Qiao, J., Behr, B., Pera, R. A., Hsueh, A. J.
2012; 7 (11)
- **Outcomes of trophectoderm biopsy on cryopreserved blastocysts: a case series** *REPRODUCTIVE BIOMEDICINE ONLINE*
Lathi, R. B., Massie, J. A., Gilani, M., Milki, A. A., Westphal, L. M., Baker, V. L., Behr, B.
2012; 25 (5): 504-507

- **Genome-wide Single-Cell Analysis of Recombination Activity and De Novo Mutation Rates in Human Sperm** *CELL*
Wang, J., Fan, H. C., Behr, B., Quake, S. R.
2012; 150 (2): 402-412
- **Altered subcellular localization of transcription factor TEAD4 regulates first mammalian cell lineage commitment** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Home, P., Saha, B., Ray, S., Dutta, D., Gunewardena, S., Yoo, B., Pal, A., Vivian, J. L., Larson, M., Petroff, M., Gallagher, P. G., Schulz, V. P., White, et al
2012; 109 (19): 7362-7367
- **Day 2 Transfer in Clinical ART** *SEMINARS IN REPRODUCTIVE MEDICINE*
Behr, B., McElroy, S.
2012; 30 (3): 222-229
- **Testosterone concentrations in early pregnancy: relation to method of conception in an infertile population** *REPRODUCTIVE BIOMEDICINE ONLINE*
Lathi, R. B., Moayeri, S. E., Reddy, C. D., Gebhardt, J., Behr, B., Westphal, L. M.
2012; 24 (3): 360-363
- **Skeletogenic phenotype of human Marfan embryonic stem cells faithfully phenocopied by patient-specific induced-pluripotent stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Quarto, N., Leonard, B., Li, S., Marchand, M., Anderson, E., Behr, B., Francke, U., Reijo-Pera, R., Chiao, E., Longaker, M. T.
2012; 109 (1): 215-220
- **Media composition: growth factors.** *Methods in molecular biology (Clifton, N.J.)*
Hegde, A., Behr, B.
2012; 912: 177-198
- **Is Oocyte Maturation Rate A Predictor of IVF Outcome?** *Pacific Coast Reproductive Society Annual Meeting 60th Anniversary Celebration*
Behr, B., Gebhardt, J., Dasig, J., Reddy, V., Suarez, M., Baker, V.
2012
- **Autovaccine Targeting for Endometriosis By Inducing CTL: a Pilot Study.** *Pacific Coast Reproductive Society Annual Meeting 60th Anniversary Celebration*
Wang, H., Feng, D., Behr, B.
2012
- **Spontaneous Abortion Rates Following Frozen Embryo Transfer: Preliminary Experience Comparing Slow and Vitrified Cryopreservation Methods.** *Pacific Coast Reproductive Society Annual Meeting 60th Anniversary Celebration*
Dasig, J., Zhao, J., Reddy, V., Gebhardt, J., Suarez, M., Behr, B.
2012
- **Oocyte Defects Leading to Triploid Miscarriages After Donor Oocyte IVF.** *Pacific Coast Reproductive Society Annual Meeting 60th Anniversary Celebration*
Marshall, F., Behr, B., Lathi, R.
2012
- **Cumulative Pregnancy Rates Following Fresh And Frozen-Thawed Embryo Transfer Cycles Using A Recombinant Follicle-Stimulating Hormone (rFSH)/Gonadotropin-Releasing Hormone (GnRH) Antagonist Protocol.** *Pacific Coast Reproductive Society Annual Meeting 60th Anniversary Celebration*
Doody, K., Behr, B., Grob, P., IJzerman-Boon, P., Gordon, K.
2012
- **Non-invasive imaging for the detection of human embryonic aneuploidy at the blastocyst stage.** *68th Annual American Society of Reproductive Medicine Conference*
Friedman, B., Chavez, S., Behr, B., Lathi, R., Baker, V., Reijo Pera, R.
2012
- **The interchangeability of HEPES (4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid) and MOPS (3-(N-morpholino)propanesulfonic acid) based solutions for vitrification and subsequent warming.** *68th Annual American Society of Reproductive Medicine Conference*
Abeyta, M., Zhao, Q., Gebhardt, J., Suarez, M., Reddy, V., Behr, B.
2012
- **High implantation rates with blastocyst biopsy, array comparative genome hybridization (aCGH) and day-6 (D6) replacement.** *68th Annual American Society of Reproductive Medicine Conference*
Behr, B., Tormasi, S., Anderson, S., Glassner, M., Welch, C., Smotrich, D.

2012

- **The rate of euploid embryos in egg donors compared to infertile patients.** *68th Annual American Society of Reproductive Medicine Conference*
Botes, A., Smotrich, D., Sherri, W., Kettler, C., MacAdam, R., Behr, B.
2012
- **Development and validation of an automated computer vision algorithm for real-time embryo viability prediction.** *68th Annual American Society of Reproductive Medicine Conference*
Loewke, K., Moussavi, F., Maddah, M., Ivani, K., Behr, B., Suraj, V.
2012
- **Effect of biopsy day on donor oocyte 24 chromosome preimplantation genetic screening (PGS) pregnancy rates with fresh embryo transfers (ET).** *68th Annual American Society of Reproductive Medicine Conference*
Behr, B., Botes, A., Kettler, C., Gaona, M., Wang, S., Smotrich, D.
2012
- **National collection of embryo morphology data into Society for Assisted Reproductive Technology Clinic Outcomes Reporting System: associations among day 3 cell number, fragmentation and blastomere asymmetry, and live birth rate** *FERTILITY AND STERILITY*
Racowsky, C., Stern, J. E., Gibbons, W. E., Behr, B., Pomeroy, K. O., Biggers, J. D.
2011; 95 (6): 1985-1989
- **Donation of Embryos for Human Development and Stem Cell Research** *CELL STEM CELL*
Kalista, T., Freeman, H. A., Behr, B., Pera, R. R., Scott, C. T.
2011; 8 (4): 360-362
- **IVF Outcomes: Effects of Blood or Mucus on the Tip of a Soft Embryo Transfer Catheter After Embryo Transfer** *59th Annual Meeting of the Pacific-Coast-Reproductive-Society*
Dasig, J., Zhao, Q., Shu, Y., Reddy, V., Gebhardt, J., Behr, B.
ELSEVIER SCIENCE INC.2011: S26-S26
- **Day 2 versus day 3 embryo transfer in poor responders: a prospective randomized trial** *FERTILITY AND STERILITY*
Shahine, L. K., Milki, A. A., Westphal, L. M., Baker, V. L., Behr, B., Lathi, R. B.
2011; 95 (1): 330-332
- **Cumulative Pregnancy Rates Following Fresh and Frozen-Thawed Embryo Transfer Cycles Using a Recombinant Follicle-Stimulating Hormone (rFSH)/Gonadotropin-Releasing Hormone (GnRH) Antagonist Protocol.** *59th Annual Pacific Coast Reproductive Society Conference*
Doody, K., Behr, B., Grob, P., IJzerman-Boon, P., Gordon, K.
2011
- **Non-Invasive Assessment of Embryo Viability Using Novel Automated Imaging Technology. (First Prize Winner)** *67th Annual American Society of Reproductive Medicine Conference*
Behr, B., Chavez, S., Loewke, K., Reijo Pera, R.
2011
- **Impact of FISH and 24 Chromosome PGS on Donor Oocyte Pregnancy Rate.** *67th Annual American Society of Reproductive Medicine Conference*
Behr, B., Ross, R., Batzofin, D., Wang, S., Smotrich, D.
2011
- **Inter-laboratory validation of the measurement of follicle stimulating hormone (FSH) after various lengths of frozen storage** *REPRODUCTIVE BIOLOGY AND ENDOCRINOLOGY*
Sriver, J., Baker, V. L., Young, S. L., Behr, B., Pastore, L. M.
2010; 8
- **Non-invasive imaging of human embryos before embryonic genome activation predicts development to the blastocyst stage** *NATURE BIOTECHNOLOGY*
Wong, C. C., Loewke, K. E., Bossert, N. L., Behr, B., De Jonge, C. J., Baer, T. M., Pera, R. A.
2010; 28 (10): 1115-U199
- **Standardization of grading embryo morphology** *FERTILITY AND STERILITY*
Racowsky, C., Vernon, M., Mayer, J., Ball, G., Behr, B., Pomeroy, K. O., Wininger, D., Gibbons, W., Conaghan, J., Stern, J. E.
2010; 94 (3): 1152-53

- **Standardization of grading embryo morphology** *JOURNAL OF ASSISTED REPRODUCTION AND GENETICS*
Racowsky, C., Vernon, M., Mayer, J., Ball, G., Behr, B., Pomeroy, K. O., Wininger, D., Gibbons, W., Conaghan, J., Stern, J. E.
2010; 27 (8): 437–39
- **Parthenogenic Blastocysts Derived from Cumulus-Free In Vitro Matured Human Oocytes** *PLOS ONE*
McElroy, S. L., Byrne, J. A., Chavez, S. L., Behr, B., Hsueh, A. J., Westphal, L. M., Pera, R. A.
2010; 5 (6)
- **Cryopreservation of Human Oocytes and Embryos** *REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY: INTEGRATING MODERN CLINICAL AND LABORATORY PRACTICE*
Behr, B., Shu, Y., Carrell, D. T., Peterson, C. M.
2010: 689–701
- **Normal pregnancy after tetraploid karyotype on trophoctoderm biopsy** *FERTILITY AND STERILITY*
Krieg, S. A., Lathi, R. B., Behr, B., Westphal, L. M.
2009; 92 (3)
- **The Role of Prolactin- and Endometriosis-Associated Infertility** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Wang, H., Gorpludolo, N., Behr, B.
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- **IVF results in de novo DNA methylation and histone methylation at an Igf2-H19 imprinting epigenetic switch** *MOLECULAR HUMAN REPRODUCTION*
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- **Efficacy of recombinant human serum albumin as a protein source for the development of in vitro cultured human embryos: a pilot study.** *53rd Annual Meeting of the Pacific-Coast-Reproductive-Society*
Lyon, J., QUINN, P., Carter, D. C., Ye, P., Dasig, D., Behr, B.
ELSEVIER SCIENCE INC.2005: S25-S25
- **The use of recombinant human serum albumin (rHSA) for mouse IVF and embryo culture: Effect of diluent and protein stabilizers.** *53rd Annual Meeting of the Pacific-Coast-Reproductive-Society*
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- **Effect of GMCSF on development and gene imprinting in preimplantation mouse embryos.** *53rd Annual Meeting of the Pacific-Coast-Reproductive-Society*
Littman, E. D., Ling, J. Q., Ulaner, G. A., Vu, T. H., Dasig, D., Lyon, J., Giudic, L. C., Hoffman, A. R., Behr, B.
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- **Pregnancies and live births after transfer of cryopreserved hatching or hatched blastocysts.** *53rd Annual Meeting of the Pacific-Coast-Reproductive-Society*
Shu, Y., Gebhardt, J., Watt, J., Lyon, J., Jensen, J., Behr, B.
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- **Preliminary experience with low concentration of granulocyte-macrophage colony-stimulating factor: A potential regulator in preimplantation mouse embryo development and apoptosis** *JOURNAL OF ASSISTED REPRODUCTION AND GENETICS*
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- **Testosterone Up-regulates androgen receptor and changes bladder mass and collagen to smooth muscle ratio.** *American Urological Association Annual Meeting*
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- **Laser zona pellucida removal (LZPR): We now have a choice.** *53rd Annual Pacific Coast Reproductive Society Conference*
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2005
- **The use of recombinant human serum albumin (rHSA) for mouse IVF and embryo culture: effect of diluent and protein stabilizers.** *53rd Annual Pacific Coast Reproductive Society Conference*
Quinn, P., Carter, D., Ye, P., Behr, B.
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- **Efficacy of recombinant human serum albumin as a protein source for the development of in vitro culture human embryos: a pilot study.** *53rd Annual Pacific Coast Reproductive Society Conference*
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- **Extended post-thaw culture improves frozen embryo transfer success rates.** *21st Annual European Society of Human Reproduction and Embryology Conference*
Potter, D., Khoury, C., Feinman, M., Frederick, J., Behr, B.
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- **Post-thaw embryo compaction is predictive of the success of frozen-thawed transfer.** *61st Annual American Society for Reproductive Medicine Conference*

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 - **Does the incidence of monozygotic twinning with blastocyst transfer decrease over time?** *61st Annual American Society for Reproductive Medicine Conference*
Moayeri, S., Behr, B., Lathi, R., Westphal, L., Giudice, L., Milki, A.
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 - **Preimplantation genetic diagnosis in embryos created from oocyte donation.** *61st Annual American Society for Reproductive Medicine Conference*
Nelson, J., Potter, D., Wilcox, J., Frederick, J., Kolb, B., Behr, B.
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 - **Relationship between cleavage rate and male-to-female sex ratios in preimplantation genetic diagnosis cycles.** *61st Annual American Society for Reproductive Medicine Conference*
Lyon, J., Ivakhnenko, V., Behr, B.
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 - **Osmotic behavior of human blastocysts as a potential predictor for survival.** *61st Annual American Society for Reproductive Medicine Conference*
Shu, Y., Gebhardt, J., Watt, J., Lyon, J., Jensen, J., Behr, B.
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 - **Pregnancies and live births after transfer of cryopreserved hatching or hatched blastocysts.** *53rd Annual Pacific Coast Reproductive Society Conference*
Shu, Y., Gebhardt, J., Watt, J., Lyon, J., Jensen, J., Behr, B.
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 - **Effects of reduced oxygen concentrations on IVF outcomes. (Prize Poster Award)** *53rd Annual Pacific Coast Reproductive Society Conference*
Kea, B., Gebhardt, J., Westphal, L., Lathi, R., Watt, J., Behr, B.
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Littman, E., Ulaner, G., Ling, J., Vu, T., Giudice, L., Hoffman, A., Behr, B.
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- **Correlation between normal sperm head morphology (NSHM) and sperm binding potential to the sperm hyaluronan-binding assay (HBA (TM)).** *60th Annual Meeting of the American-Society-for-Reproductive-Medicine*
Worilow, K. C., Lyon, J., Belcak, N., Peters, A. J., Johnston, J. B., Behr, B.
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- **Significance of immature oocytes in intracytoplasmic sperm injection treatment cycles** *60th Annual Meeting of the American-Society-for-Reproductive-Medicine*
Behr, B., Gebhardt, J., Watt, J., Lyon, J., Dasig, D., Shu, Y.
ELSEVIER SCIENCE INC.2004: S293–S294
- **Effects of culture conditions on IVF outcome** *Serono Symposium on Genesis and Fate of the Preimplantation Embryo*
Behr, B., Wang, H.
ELSEVIER SCIENCE BV.2004: S72–S76
- **Elective single blastocyst transfer** *FERTILITY AND STERILITY*
Milki, A. A., Hinckley, M. D., Westphal, L. M., Behr, B.
2004; 81 (6): 1697-1698
- **The effect of a two-hour, room temperature incubation of human spermatozoa in TEST-yolk buffer on the rate of fertilization in vitro** *JOURNAL OF ASSISTED REPRODUCTION AND GENETICS*
Jensen, J. R., Walker, J. H., Milki, A. A., Westphal, L., Behr, B.
2004; 21 (5): 169-173
- **Igf2 gene imprinting in preimplantation mouse embryos** *52nd Annual Meeting of the Pacific-Coast-Reproductive-Society*
Littman, E. D., Ulaner, G. A., Vu, T. H., Otero, J., Dasig, D., Lyon, J., Gebhardt, J., Giudice, L. C., Behr, B., Hoffman, A. R.
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- **Does the orientation of the first polar body during ICSI affect fertilization and embryo development rates?** *52nd Annual Pacific Coast Reproductive Society Conference*
Tan, T., Tran, C., Ivankhenko, V., Behr, B.
2004
- **Standardization of transvaginal ultrasound guided embryo transfer post fellowship: a case control study.** *52nd Annual Pacific Coast Reproductive Society Conference*
Boostanfar, R., Feinman, M., Gao, C., Le, A., Behr, B.
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- **Single point determination of day 2 embryos yield comparable implantation rate when compared to sequential assessment.** *60th Annual American Society for Reproductive Medicine Conference*
Tan, T., Tran, C., Ivakhnenko, V., Behr, B.
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- **Freezing at lower starting temperature (-6°C) improves human embryo viability and pregnancy rate.** *60th Annual American Society for Reproductive Medicine Conference*
Tran , C., Le, A., Tan, T., Tran, A., Ivakhnenko , V., Behr, B.
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- **Correlation between normal sperm head morphology (NSHM) and sperm binding potential to the sperm hyaluronan-binding assay (HBA(TM)).** *60th Annual American Society for Reproductive Medicine Conference*
WorriLOW, K., Lyon , J., Belcak, N., Peters, A., Johnston, J., Behr, B.
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