

## Wissenschaftliche Publikationen

1.

Quantification of ZP1, ZP2 and ZP3 mRNA of marmoset monkey (*Callithrix jacchus*) oocytes from periantral and antral follicles.

Konrad L, Kuhnert S, Nayudu PL, Einspanier R, Hinsch KD, Hinsch E.

Andrologia. 2012 May;44 Suppl 1:349-53. doi: 10.1111/j.1439-0272.2011.01188.x. Epub 2011 Jun 20.

PMID: 21689136 [PubMed - indexed for MEDLINE]

2.

S1 Guideline: Dermatological inpatient rehabilitation in adult atopic dermatitis.

Buhles N, Wehrmann J, Hinsch KD, Nürnberg W; DDG; German Society of Dermatology (DDG) and the German Dermatologists' Association (BVDD).

J Dtsch Dermatol Ges. 2011 Jul;9(7):558-61. doi: 10.1111/j.1610-0387.2011.07686.x. Epub 2011 Apr 15. English, German. No abstract available.

PMID: 21496205 [PubMed - indexed for MEDLINE]

3.

International Classification of Function, Disability and Health (ICF). Basis for cutaneous rehabilitation management.

Hinsch KD, Zick C.

Hautarzt. 2010 Apr;61(4):294-301. doi: 10.1007/s00105-009-1868-0. German.

PMID: 20300724 [PubMed - indexed for MEDLINE]

4.

Voltage-dependent anion channels 1 and 2 are expressed in porcine oocytes.

Cassará MC, Menzel VA, Hinsch KD, Wrenzycki C, Hinsch E.

Biosci Rep. 2009 Dec 15;30(3):193-200. doi: 10.1042/BSR20090088.

PMID: 19630752 [PubMed - indexed for MEDLINE]

5.

Molecular and functional characterization of VDAC2 purified from mammal spermatozoa.

Menzel VA, Cassarà MC, Benz R, de Pinto V, Messina A, Cunsolo V, Saletti R, Hinsch KD, Hinsch E.

Biosci Rep. 2009 Jul 22;29(6):351-62. doi: 10.1042/BSR20080123.

PMID: 18976238 [PubMed - indexed for MEDLINE]

6.

Localisation and function of voltage-dependent anion channels (VDAC) in bovine spermatozoa.

Triphan X, Menzel VA, Petrunkina AM, Cassarà MC, Wemheuer W, Hinsch KD, Hinsch E.

Pflugers Arch. 2008 Jan;455(4):677-86. Epub 2007 Jul 24.

PMID: 17647012 [PubMed - indexed for MEDLINE]

7.

Effect of genistein on acrosome reaction and zona pellucida binding independent of protein tyrosine kinase inhibition in bull.

Menzel VA, Hinsch E, Hägele W, Hinsch KD.

Asian J Androl. 2007 Sep;9(5):650-8.

PMID: 17712482 [PubMed - indexed for MEDLINE] Free Article

8.

Immunogenicity of recombinant human zona pellucida-3 peptides expressed in E. coli and efficacy of their antisera to inhibit in vitro human sperm-egg binding.

Song LW, Wang YB, Ni Y, He YP, Hong AZ, Hinsch E, Hinsch KD, Chow SC, Yuan YY, Shi QX, Xu WX.

Sheng Li Xue Bao. 2005 Dec 25;57(6):682-8. Chinese.

PMID: 16344891 [PubMed - indexed for MEDLINE] Free Article

9.

A synthetic decapeptide from a conserved ZP3 protein domain induces the G protein-regulated acrosome reaction in bovine spermatozoa.

Hinsch E, Aires VA, Hedrich F, Oehninger S, Hinsch KD.

Theriogenology. 2005 Apr 1;63(6):1682-94.

PMID: 15763111 [PubMed - indexed for MEDLINE]

10.

Attitudes towards preconception sex selection: a representative survey from Germany.

Dahl E, Hinsch KD, Brosig B, Beutel M.

Reprod Biomed Online. 2004 Dec;9(6):600-3.

PMID: 15670402 [PubMed - indexed for MEDLINE]

11.

Localization and synthesis of zona pellucida proteins in the marmoset monkey (*Callithrix jacchus*) ovary.

Bogner K, Hinsch KD, Nayudu P, Konrad L, Cassara C, Hinsch E.

Mol Hum Reprod. 2004 Jul;10(7):481-8. Epub 2004 May 28.

PMID: 15169921 [PubMed - indexed for MEDLINE] Free Article

12.

Voltage-dependent anion-selective channels VDAC2 and VDAC3 are abundant proteins in bovine outer dense fibers, a cytoskeletal component of the sperm flagellum.

Hinsch KD, De Pinto V, Aires VA, Schneider X, Messina A, Hinsch E.

J Biol Chem. 2004 Apr 9;279(15):15281-8. Epub 2004 Jan 22.

PMID: 14739283 [PubMed - indexed for MEDLINE] Free Article

13.

Localization and functional importance of a conserved zona pellucida 2 protein domain in the human and bovine ovary using monoclonal anti-ZP2 peptide antibodies.

Hinsch E, Groeger S, Oehninger S, Hinsch KD.

Theriogenology. 2003 Oct 15;60(7):1331-44.

PMID: 14511786 [PubMed - indexed for MEDLINE]

14.

Preconception sex selection for non-medical reasons: a representative survey from the UK.

Dahl E, Hinsch KD, Beutel M, Brosig B.

Hum Reprod. 2003 Oct;18(10):2238-9. No abstract available.

PMID: 14507855 [PubMed - indexed for MEDLINE] Free Article

15.

Preconception sex selection for non-medical reasons: a representative survey from Germany.

Dahl E, Beutel M, Brosig B, Hinsch KD.

Hum Reprod. 2003 Oct;18(10):2231-4.

PMID: 14507848 [PubMed - indexed for MEDLINE] Free Article

16.

In vitro and in vivo comparison of egg yolk-based and soybean lecithin-based extenders for cryopreservation of bovine semen.

Aires VA, Hinsch KD, Mueller-Schloesser F, Bogner K, Mueller-Schloesser S, Hinsch E.

Theriogenology. 2003 Jul;60(2):269-79.

PMID: 12749940 [PubMed - indexed for MEDLINE]

17.

Identification of cytokeratins in bovine sperm outer dense fibre fractions.

Hinsch E, Boehm JG, Groeger S, Mueller-Schloesser F, Hinsch KD.

Reprod Domest Anim. 2003 Apr;38(2):155-60.

PMID: 12654027 [PubMed - indexed for MEDLINE]

18.

Essential role of ZP molecules in tubal transport of embryos in mice.

Kim CH, Seo BB, Yamanouchi K, Kuromaru M, Sawasaki T, Hinsch E, Hinsch KD, Naito K, Tachi C, Tojo H.

Mol Reprod Dev. 2002 Mar;61(3):327-34.

PMID: 11835578 [PubMed - indexed for MEDLINE]

19.

VDAC2 (porin-2) expression pattern and localization in the bovine testis.

Hinsch KD, Asmarinah, Hinsch E, Konrad L.

Biochim Biophys Acta. 2001 Apr 16;1518(3):329-33.

PMID: 11311949 [PubMed - indexed for MEDLINE]

20.

In vitro tests for essential sperm functions using the phyto-oestrogen genistein as a test substance.

Hinsch KD, Aires V, Hägele W, Hinsch E.

Andrologia. 2000 Sep;32(4-5):225-31.

PMID: 11021513 [PubMed - indexed for MEDLINE]

21.

The zona pellucida 'receptors' ZP1, ZP2 and ZP3.

Hinsch KD, Hinsch E.

Andrologia. 1999 Sep;31(5):320-2.

PMID: 10526650 [PubMed - indexed for MEDLINE]

22.

Species specificity of human and murine anti-ZP3 synthetic peptide antisera and use of the antibodies for localization and identification of ZP3 or ZPC domains of functional significance.

Hinsch E, Oehninger S, Schill WB, Hinsch KD.

Hum Reprod. 1999 Feb;14(2):419-28.

PMID: 10099990 [PubMed - indexed for MEDLINE] Free Article

23.

Evaluation of ZP2 domains of functional importance with antisera against synthetic ZP2 peptides.

Hinsch E, Hägele W, Bohle RM, Schill WB, Hinsch KD.

J Reprod Fertil. 1998 Nov;114(2):245-51.

PMID: 10070354 [PubMed - indexed for MEDLINE] Free Article

24.

Immunological identification of zona pellucida 2 (ZP2) protein in human oocytes.

Hinsch E, Hägele W, van der Ven H, Oehninger S, Schill WB, Hinsch KD.

Andrologia. 1998 Aug-Sep;30(4-5):281-7.

PMID: 9739427 [PubMed - indexed for MEDLINE]

25.

[Report on the 1st International "Molecular Andrology" Workshop in Rauschholzhausen Castle, 5-6 May 1997].

Hinsch KD.

Hautarzt. 1998 Feb;49(2):149-50. German. No abstract available.

PMID: 9551342 [PubMed - indexed for MEDLINE]

26.

Analysis of GTP-binding proteins, phosphoproteins, and cytosolic calcium in functional heterogeneous human blood platelet subpopulations.

Opper C, Schuessler G, Kuschel M, Clement HW, Gear AR, Hinsch E, Hinsch K, Wesemann W.

Biochem Pharmacol. 1997 Nov 1;54(9):1027-35.

PMID: 9374424 [PubMed - indexed for MEDLINE]

27.

A new combined in-vitro test model for the identification of substances affecting essential sperm functions.

Hinsch E, Ponce AA, Hägele W, Hedrich F, Müller-Schlösser F, Schill WB, Hinsch KD.

Hum Reprod. 1997 Aug;12(8):1673-81. Erratum in: Hum Reprod 1997 Nov;12(11):2580.

PMID: 9308792 [PubMed - indexed for MEDLINE] Free Article

28.

The zona pellucida "receptors".

Hinsch E, Hägele W, Schill WB, Hinsch KD.

Adv Exp Med Biol. 1997;424:313-28.

PMID: 9361810 [PubMed - indexed for MEDLINE]

29.

Generation of antisera against mouse and human synthetic ZP3 peptides.

Hinsch E, Hinsch KD.

Andrologia. 1996;28 Suppl 1:9-14.

PMID: 9017090 [PubMed - indexed for MEDLINE]

30.

Use of a specific zona pellucida (ZP) protein 3 antiserum as a clinical marker for human ZP integrity and function.

Oehninger S, Hinsch E, Pfisterer S, Veeck LL, Kolm P, Schill WB, Hodgen GD, Hinsch KD.

Fertil Steril. 1996 Jan;65(1):139-45.

PMID: 8557130 [PubMed - indexed for MEDLINE]

31.

New concepts in human sperm-zona pellucida interaction.

Clark GF, Patankar MS, Hinsch KD, Oehninger S.

Hum Reprod. 1995 Oct;10 Suppl 1:31-7. Review.

PMID: 8592038 [PubMed - indexed for MEDLINE]

32.

Investigations on egg yolk-free diluting medium for the cryopreservation of bull spermatozoa.

Müller-Schlösser F, Hinsch E, Böhm J, Schill WB, Hinsch KD.

Tierarztl Prax. 1995 Aug;23(4):363-6. German.  
PMID: 8578568 [PubMed - indexed for MEDLINE]

33.

Identification of heterotrimeric G proteins in human sperm tail membranes.  
Hinsch KD, Schwerdel C, Habermann B, Schill WB, Müller-Schlösser F, Hinsch E.  
Mol Reprod Dev. 1995 Mar;40(3):345-54.  
PMID: 7772345 [PubMed - indexed for MEDLINE]

34.

Anti-ZP3 antibodies binding to the human zona pellucida: effect of oocyte-storage conditions.  
Hinsch KD, Hinsch E, Pfisterer S, Schill WB, Gibbons WE, Hodgen GD, Oehninger S.  
Am J Reprod Immunol. 1994 Oct;32(3):146-51.  
PMID: 7880395 [PubMed - indexed for MEDLINE]

35.

Identification of mouse ZP3 protein in mammalian oocytes with antisera against synthetic ZP3 peptides.  
Hinsch KD, Hinsch E, Meinecke B, Töpfer-Petersen E, Pfisterer S, Schill WB.  
Biol Reprod. 1994 Aug;51(2):193-204.  
PMID: 7524697 [PubMed - indexed for MEDLINE] Free Article

36.

ADP-ribosylation of Rho proteins inhibits sperm motility.  
Hinsch KD, Habermann B, Just I, Hinsch E, Pfisterer S, Schill WB, Aktories K.  
FEBS Lett. 1993 Nov 8;334(1):32-6.  
PMID: 8224222 [PubMed - indexed for MEDLINE]

37.

A double-blind, randomized, placebo-controlled trial of n-3 fatty acid based lipid infusion in acute, extended guttate psoriasis. Rapid improvement of clinical manifestations and changes in neutrophil leukotriene profile.  
Grimminger F, Mayser P, Papavassilis C, Thomas M, Schlotzer E, Heuer KU, Führer D, Hinsch KD, Walmrath D, Schill WB, et al.  
Clin Investig. 1993 Aug;71(8):634-43.  
PMID: 8219661 [PubMed - indexed for MEDLINE]

38.

Disturbances of sperm flagella due to failure of epididymal maturation and their possible relationship to phospholipids.  
Haidl G, Badura B, Hinsch KD, Ghyczy M, Gareiss J, Schill WB.  
Hum Reprod. 1993 Jul;8(7):1070-3.  
PMID: 8408489 [PubMed - indexed for MEDLINE]

39.

Epigenetic activation of Gi-2 protein, the product of a putative protooncogene, mediates tumor promotion in vitro.

Harbers M, Borowski P, Fanick W, Lengyel H, Buck F, Hinsch KD, Hilz H.

Carcinogenesis. 1992 Dec;13(12):2403-6.

PMID: 1473250 [PubMed - indexed for MEDLINE]

40.

Immunological identification of G protein alpha- and beta-subunits in tail membranes of bovine spermatozoa.

Hinsch KD, Hinsch E, Aumüller G, Tychowiecka I, Schultz G, Schill WB.

Biol Reprod. 1992 Sep;47(3):337-46.

PMID: 1511086 [PubMed - indexed for MEDLINE] Free Article

41.

Immunocytochemical localization of G-proteins (alpha subunits) in rat heart tissue.

Schulze W, Kössler A, Hinsch KD, Rosenthal W, Will-Shahab L, Küttner I, Rada T, Vannauer M, Breter H.

Eur Heart J. 1991 Dec;12 Suppl F:132-4.

PMID: 1804633 [PubMed - indexed for MEDLINE]

42.

Involvement of pertussis toxin-sensitive G-proteins in the hormonal inhibition of dihydropyridine-sensitive Ca<sup>2+</sup> currents in an insulin-secreting cell line (RINm5F).

Schmidt A, Hescheler J, Offermanns S, Spicher K, Hinsch KD, Klinz FJ, Codina J, Birnbaumer L, Gausepohl H, Frank R, et al.

J Biol Chem. 1991 Sep 25;266(27):18025-33.

PMID: 1680855 [PubMed - indexed for MEDLINE] Free Article

43.

Preparation of soluble guanylyl cyclase from bovine lung by immunoaffinity chromatography.

Humbert P, Nirroomand F, Fischer G, Mayer B, Koesling D, Hinsch KD, Schultz G, Böhme E.

Methods Enzymol. 1991;195:384-91. No abstract available.

PMID: 1674570 [PubMed - indexed for MEDLINE]

44.

Cholecystinin activates Gi1-, Gi2-, Gi3- and several Gs-proteins in rat pancreatic acinar cells.

Schneffel S, Pröfrock A, Hinsch KD, Schulz I.

Biochem J. 1990 Jul 15;269(2):483-8.

PMID: 2117441 [PubMed - indexed for MEDLINE] Free PMC Article

45.

Purification of soluble guanylyl cyclase from bovine lung by a new immunoaffinity chromatographic method.

Humbert P, Niroomand F, Fischer G, Mayer B, Koesling D, Hinsch KD, Gausepohl H, Frank R, Schultz G, Böhme E.

Eur J Biochem. 1990 Jun 20;190(2):273-8.

PMID: 1973095 [PubMed - indexed for MEDLINE] Free Article

46.

Stimulatory effect of insulin and insulin-like growth factor I on Gi proteins and angiotensin-II-induced phosphoinositide breakdown in cultured bovine adrenal cells.

Langlois D, Hinsch KD, Saez JM, Begeot M.

Endocrinology. 1990 Apr;126(4):1867-72.

PMID: 2156669 [PubMed - indexed for MEDLINE]

47.

A high-affinity bradykinin receptor in membranes from rat myometrium is coupled to pertussis toxin-sensitive G-proteins of the Gi family.

Liebmann C, Offermanns S, Spicher K, Hinsch KD, Schnittler M, Morgat JL, Reissmann S, Schultz G, Rosenthal W.

Biochem Biophys Res Commun. 1990 Mar 30;167(3):910-7.

PMID: 2157433 [PubMed - indexed for MEDLINE]

48.

Agonist-sensitive binding of a photoreactive GTP analog to a G-protein alpha-subunit in membranes of HL-60 cells.

Offermanns S, Schäfer R, Hoffmann B, Bombien E, Spicher K, Hinsch KD, Schultz G, Rosenthal W.

FEBS Lett. 1990 Jan 15;260(1):14-8.

PMID: 2153575 [PubMed - indexed for MEDLINE]

49.

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca<sup>2+</sup> channels by hormones and neurotransmitters.

Rosenthal W, Hescheler J, Eckert R, Offermanns S, Schmidt A, Hinsch KD, Spicher K, Trautwein W, Schultz G.

Adv Second Messenger Phosphoprotein Res. 1990;24:89-94. Review. No abstract available.

PMID: 1976337 [PubMed - indexed for MEDLINE]

50.

Phosphorylation of G-protein alpha-subunits in intact adipose cells: evidence against a mediating role in insulin-dependent metabolic effects.



Joost HG, Schmitz-Salue C, Hinsch KD, Schultz G, Rosenthal W.  
Eur J Pharmacol. 1989 Dec 5;172(6):461-9.  
PMID: 2515069 [PubMed - indexed for MEDLINE]

51.

Differential sensitivity to guanine nucleotides of basal and insulin-stimulated glucose transporter activity reconstituted from adipocyte membrane fractions.  
Schürmann A, Rosenthal W, Hinsch KD, Joost HG.  
FEBS Lett. 1989 Sep 25;255(2):259-64.  
PMID: 2507356 [PubMed - indexed for MEDLINE]

52.

Tissue distribution of beta 1- and beta 2-subunits of regulatory guanine nucleotide-binding proteins.  
Hinsch KD, Tychowiecka I, Gausepohl H, Frank R, Rosenthal W, Schultz G.  
Biochim Biophys Acta. 1989 Sep 4;1013(1):60-7.  
PMID: 2506932 [PubMed - indexed for MEDLINE]

53.

G-protein alpha-subunits in cytosolic and membranous fractions of human neutrophils.  
Rudolph U, Koesling D, Hinsch KD, Seifert R, Bigalke M, Schultz G, Rosenthal W.  
Mol Cell Endocrinol. 1989 May;63(1-2):143-53.  
PMID: 2502457 [PubMed - indexed for MEDLINE]

54.

Bidirectional hormonal modulation of voltage dependent  $Ca^{2+}$  channels.  
Rosenthal W, Hescheler J, Hinsch KD, Schultz G.  
Arzneimittelforschung. 1989 Jan;39(1A):143-8. Review. German.  
PMID: 2541733 [PubMed - indexed for MEDLINE]

55.

Immunochemical detection of the alpha-subunit of the G-protein, G<sub>Z</sub>, in membranes and cytosols of mammalian cells.  
Spicher K, Hinsch KD, Gausepohl H, Frank R, Rosenthal W, Schultz G.  
Biochem Biophys Res Commun. 1988 Dec 30;157(3):883-90.  
PMID: 3144976 [PubMed - indexed for MEDLINE]

56.

Identification of GTP-binding proteins in the plasma membrane of higher plants.  
Blum W, Hinsch KD, Schultz G, Weiler EW.  
Biochem Biophys Res Commun. 1988 Oct 31;156(2):954-9.  
PMID: 3142467 [PubMed - indexed for MEDLINE]

57.

The primary structure of the 70 kDa subunit of bovine soluble guanylate cyclase.  
Koesling D, Herz J, Gausepohl H, Niroomand F, Hinsch KD, Mülsch A, Böhme E, Schultz G, Frank R.

FEBS Lett. 1988 Oct 24;239(1):29-34.

PMID: 2903071 [PubMed - indexed for MEDLINE]

58.

Adipocyte plasma membranes contain two Gi subtypes but are devoid of Go.  
Hinsch KD, Rosenthal W, Spicher K, Binder T, Gausepohl H, Frank R, Schultz G, Joost HG.

FEBS Lett. 1988 Sep 26;238(1):191-6.

PMID: 3139455 [PubMed - indexed for MEDLINE]

59.

Production and immunohistochemical characterization of monoclonal antibodies directed against renal basement membranes of rats.

Hinsch KD, Hansen D, Zimmermann A, von Bruchhausen F.

Histol Histopathol. 1988 Jul;3(3):315-22.

PMID: 2980239 [PubMed - indexed for MEDLINE]

60.

Cyclic AMP-independent, dual regulation of voltage-dependent Ca<sup>2+</sup> currents by LHRH and somatostatin in a pituitary cell line.

Rosenthal W, Hescheler J, Hinsch KD, Spicher K, Trautwein W, Schultz G.

EMBO J. 1988 Jun;7(6):1627-33.

PMID: 2458919 [PubMed - indexed for MEDLINE] Free PMC Article

61.

Angiotensin II-induced stimulation of voltage-dependent Ca<sup>2+</sup> currents in an adrenal cortical cell line.

Hescheler J, Rosenthal W, Hinsch KD, Wulfern M, Trautwein W, Schultz G.

EMBO J. 1988 Mar;7(3):619-24.

PMID: 2456209 [PubMed - indexed for MEDLINE] Free PMC Article