





# Participant Profile

for the  
**Turkish-German Strategy Workshop 2006**  
**TÜBİTAK Marmara Research Center,**  
**Istanbul- Gebze Turkey**  
**13 – 15 December 2006**



International Bureau (IB)  
of the Federal Ministry of  
Education and Research  
(BMBF)

assembly MPF and MAP kinase activation  
Anim. Reprod. Sci.73, 129-140, 2002  
Meinecke-Tillmann S, Meinecke B  
Isolation of ES-like cell lines from ovine and caprine pre-  
implantation embryos.  
J. Anim. Breed. Genet. 113, 413-426, 1996  
Hinsch K-D, Hinsch E, Meinecke B, Töpfer-Petersen E, Pfisterer S, Schill  
W-B  
Identification of mouse ZP3 Protein in Mammalian Oocytes with  
antisera against synthetic ZP3 peptides.  
Biol. Reprod. 51, 193-204, 1994  
Meinecke B, Meinecke-Tillmann S  
Effects of  $\alpha$ -amanitin on the nuclear maturation of porcine oocytes  
in vitro.  
J. Reprod. Fert. 98, 195-201, 1993  
Meinecke-Tillmann S, Meinecke B  
Experimental chimaeras - removal of reproductive barrier between  
sheep and goat.  
Nature 307 (1984), 637- 638.



# Participant Profile

for the  
**Turkish-German Strategy Workshop 2006**  
**TÜBİTAK Marmara Research Center,**  
**Istanbul- Gebze Turkey**  
**13 – 15 December 2006**



International Bureau (IB)  
of the Federal Ministry of  
Education and Research  
(BMBF)

## 2. Past and present research collaborations

Are you familiar  
with the European  
Framework  
Programme?

Yes

No

- with Framework Programme 5  
 with Framework Programme 6  
 with Framework Programme 7

EU-projects you are  
involved in:

Past projects

Programme title / contract number / title / acronym / your function  
(coordinator / partner / contractor)

none, see above

Present projects

none, see above

Other international  
collaborations:

currently none

Name(s) and  
contact details of  
potential partners:

If you would like to suggest the participation of particular partners from the partner country based on existing contacts or collaboration experience, you are welcome to indicate their names and contact details below:

Prof. Dr. I.K. Ileri  
Istanbul Üniversitesi  
Veteriner Fakültesi  
Dölerme ve Sun'i Toh. ABD  
34851 Avclar/Istanbul

## 3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

The proposed collaboration project is focused on the characterization of polyadenylation events of meiosis and developmental relevant gene products during the maturation period of porcine and ovine oocytes. The experimental design is based on the working hypothesis that translational activation of stored mRNAs occurs via MAP kinase signaling and eIF-4E phosphorylation. Serial collection of samples and PCR supported amplification of differential polyadenylated mRNAs will allow to identify those gene transcripts, which are prepared for translation in the course of oocyte maturation. Accompanying determination of MAP kinase and eIF-4E phosphorylation will demonstrate the time relationship between both events, namely polyadenylation and CAP supported translation initiation on the one hand and MAP kinase signaling on the other hand. Furthermore, the determination of fertilization and early embryonic development capacity under both in vitro and in vivo conditions will lead to a deeper insight into the physiological significance of polyadenylation events during the maturation process of the oocyte and to determine their quality.

**I agree with the publication of my data on the Workshop website!**



# Participant Profile

for the  
**Turkish-German Strategy Workshop 2006**  
**TÜBİTAK Marmara Research Center,**  
**Istanbul- Gebze Turkey**  
**13 – 15 December 2006**



International Bureau (IB)  
of the Federal Ministry of  
Education and Research  
(BMBF)

PLEASE FILL IN THIS FORM **UNTIL 22 SEPT. 2006** AND RETURN IT TO:

Internationales Buero des BMBF  
[s.krummacher@fz-juelich.de](mailto:s.krummacher@fz-juelich.de);  
[Christian.schache@dlr.de](mailto:Christian.schache@dlr.de)

TÜBİTAK-Marmara Research Center  
[Sunullah.Ozbek@mam.gov.tr](mailto:Sunullah.Ozbek@mam.gov.tr);  
[Artac.Turker@mam.gov.tr](mailto:Artac.Turker@mam.gov.tr)