



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)

Present projects

Other international
collaborations:

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. Mehmet Öztürk,
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Fax: +90-312 -266 50 97
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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).

REGULATION AND FUNCTION OF TELOMERASE DURING LIVER DIFFERENTIATION AND REGENERATION

Britta Wittek, Julia M. Weise, Andreas Mund, Hüseyin Sirma, Wolfgang Deppert and **Cagatay Günes**

Telomere shortening limits the replicative lifespan of primary human cells in vitro and telomere attrition is observed during human life span. Activity of telomerase, a cellular reverse transcriptase, is required to prevent telomere shortening in highly proliferating cells and thus to ensure cell and organism survival. Telomerase expression is stringently regulated in human tissues. Telomerase is active in early embryogenesis and repressed during tissue differentiation. A drawback of telomerase suppression is the limited growth of primary human cells which might affect the regenerative capacity of organs and tissues during aging and chronic diseases. Understanding the regulatory pathways and elucidation of the precise role of telomerase activity in normal tissues may thus be pivotal for the treatment of regenerative disorders. We use both animal and cell culture models in combination with genomics analyzes to dissect the molecular mechanisms involved in telomerase regulation and tissue regeneration.

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

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



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