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Associate Professor  
Üsküdar University  
Department of Psychology  
Department of Research and  
Development in Psychiatric  
Neuroscience  
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### **PERSONAL DATA:**

**Place and Date of Birth:** Ankara, 29/10/1981  
**Nationality:** Republic of Turkey  
**Family status:** Married  
**Languages:** English (C1)  
German (B1)  
Turkish (Native)

### **EDUCATION:**

**Pre-Medical Degree:** Adnan Menderes University, Faculty of  
Medicine, Aydın, Turkey, 1999-2002.  
**Medical Doctor Degree:** Adnan Menderes University, Faculty of  
Medicine, Aydın, Turkey, 1999-2005.  
**Residency in Psychiatry:** Celal Bayar University, Faculty of Medicine,  
Department of Psychiatry, Manisa, Turkey,  
2006-2011.  
**Clinical Research Associate:** King's Collage, Institute of Psychiatry, London,  
UK, 2008-2009 (Honorary Contract)  
**PhD in Neuroscience:** Ruhr University, International Graduate School  
of Neuroscience, Bochum, Germany, 2010-2013  
September.

### **DEGREES AND CERTIFICATIONS:**

**Doctor of Medicine (M.D)** Republic of Turkey Ministry of Health, General Directorate  
of Personnel, Ministry of Education and Specialization,  
Specialization Branch Registration Number: 2005-35-8306  
Registration Date: 06.01.2005  
**Specialist in Psychiatry (PhD equivalent  
in Turkey-Fachaertz)** Republic of Turkey Ministry of Health, General Directorate of  
Personnel ,Ministry of Education and Specialization,  
Specialization Branch Registration Number: 91316  
Registration Date: 16.06.2011  
**PhD in Neuroscience** Ruhr University, International  
Graduate School of  
Neuroscience, Bochum,  
Germany  
Registration Date: 14.09.2013

Grade: summa cum laude

**Dissertation Thesis:**

**Psychiatry, Celal Bayar University, Izmir, Turkey**

Family involved Social Cognition training program in psychosis. (2009-2011).

**Neuroscience PhD, Ruhr University Bochum, Germany**

Understanding Social Functioning in Schizophrenia. (2010-2013)

**REPORT OF EVALUATION OF EDUCATIONAL CREDENTIALS:**

**Certificate for Computerized Cognitive Remediation in Psychosis**

King's Collage Institute of Psychiatry, UK , 2009.

**Certificate for Cognitive Behavioral Therapy,**

CBT@GP Association 18 hours theoretical training. Malatya, 2010. Compos Mentis 40 hours theoretical training. Turkey, 2006.

**Certificated SPSS Course- Statistics**

King's College, Institute of Psychiatry, London, UK, 2009.

**Social Cognition and Interaction training in Schizophrenia**

King's Collage, Institute of Psychiatry, London, UK, 2009 .

**Certificated SPM (Statistical Parametric Images) – fMRI(functional MRI)and VBM (Voxel Based Morphometry) course**

University of Zurich, Zurich, Switzerland, 2011.

**Certificated advanced course on statistics:**

Research School, Ruhr University, Bochum, Germany, 2011.

**Certificated research proposal preparation course:**

Research School, Ruhr University, Bochum, Germany, 2011.

**Workshop-Evidence Based Medicine in Psychotic Disorder**

Lundbeck Institute, Copenhagen, Denmark, 2008.

**PROFESSIONAL WORKING EXPERIENCE:**

**2005-2006**

General Practitioner  
Saydam Medical Center Kusadasi, Turkey

**2006-2011**

Residency in Psychiatry  
Celal Bayar University, Faculty of Medicine, Department of Psychiatry, Izmir, Turkey

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|------------------|--|
| <b>2008-2009</b> | Clinical Research Associate<br>King's Collage Institute of Psychiatry (Psychology Dep.<br>2008-2012 (Honorary Contract)  |
| <b>2011-2013</b> | Research Assistant, Ph.D. Candidate<br>Research Department of Cognitive Neuropsychiatry and<br>Psychiatric Preventive Medicine, Department of Psychiatry,<br>LWL University Hospital, Ruhr-University Bochum,<br>Germany |
| <b>2013-</b>     | Associate Professor, Üsküdar University<br>Department of Psychology<br>Department of Research and Development in Psychiatric<br>Neuroscience   |

**HONORS & AWARDS:**

2005: Turkish Schizophrenia Federation: Best Psychosocial  
Rehabilitation project in Schizophrenia Award  
2010: Ruhr University, PhD Scholarship.  
2012: Publication Award-Scientific and Technological  
Research Council of Turkey (TUBITAK) (Tas et al.,2012,  
Psychiatry Research)

**PROFESSIONAL AND NONPROFESSIONAL ORGANIZATIONS:**

|             |   |
|-------------|---|
| <b>2005</b> | Turkish Medical Association   |
| <b>2006</b> | Turkish Psychiatry Association, Local Manisa Secretary                    |
| <b>2006</b> | Turkish Psychiatry Association, Psychiatric Rehabilitation<br>Unit Member |
| <b>2007</b> | Psychiatry Association, Schizophrenia Unit Member                         |
| <b>2007</b> | Manisa, Life With Schizophrenia Association- council<br>member            |
| <b>2011</b> | Schizophrenia International Research Society member                       |

**FIELD OF INTEREST**

Schizophrenia, Social cognition, Social functioning, Neurocognition, Neuroimaging

**Short Academic Biography**

I am a psychiatrist and have obtained my PhD in neuroscience (summa cum lauda) at the International Graduate School of Neuroscience, Ruhr University Bochum. I am based at the Uskudar University Psychology Department and am a honorary research fellow at the Research Department of Cognitive Neuropsychiatry and Preventative Medicine, LWL-University Hospital, Bochum. I received my M.D. from Adnan Menderes University, Turkey in 2005, and specialization degree in psychiatry from Celal Bayar University, Turkey in 2011. I held a visiting fellowship as a honorary research associate at the Psychology Department in the Institute of Psychiatry, King's College London, from 2008 to 2009.

During my PhD my primary research interests were social cognition, social learning and their implications on social functioning in patients with schizophrenia. I investigated the role of oxytocin in explaining the social functioning in schizophrenia patients. I am also the developer of a Family-involved Social Cognition and Interaction Training Program (f-SCIT) in schizophrenia, and thus have a special interest in the development of new rehabilitative social cognitive interventions in

schizophrenia.

In Uskudar University, I am acting as the research and development coordinator and have conducted several studies in psychiatric neuroscience using neuroimaging techniques involving VBM, EEG and fMRI together with my research group. (see [www.cumhuras.com-personal](http://www.cumhuras.com-personal) web page for more details.)

### **AD HOC REVIEWER**

Psychiatry Research (2013,2014,2015-2016-2017)

Journal of Psychiatric Research (2014)

European Psychiatry (2013)

BMC Psychiatry (2014)

Schizophrenia Research (2014,2015-2016-2017)

Psychiatria Danubina (2014)

Journal of Nervous and Mental Disorders (2015)

Journal of Affective Disorders (2015)

Associate Editor in the Journal of Neurobehavioral Sciences (2013-)

### **PUBLICATIONS:**

#### **Research Grants**

**1. Project Coordinator**, Turkish Computerized-Cognitive Remediation Program for Psychiatric Patients, ISTKA (Istanbul Reach and Development Agency), Grant no: 2015- TR10-YNK-0022, Year: 2015-2016; Funding: 326.000 Euro

#### **Published Journal Articles:**

**1. Taş C.** , Esen-Danacı A., (2008). Homocystinuria and early onset schizophrenia: Case-report. Bulletin of Clinical Psychopharmacology, 18:298-305.

**2. Gulseren L, Cam B, Karakoc B, Yigit T, Danaci AE, Cubukcuoglu Z, Taş C., Gulseren S, Mete L.,** (2010). The perceived burden of care and its correlates in schizophrenia. Turkish Journal of Psychiatry, 21:203-12.

**3. Taş C.,** Danaci.A.E., Cubukcuoglu Z., Brüne M., (2012). Impact of family involvement on social cognition training of clinically stable outpatients with schizophrenia – a pilot study. Psychiatry Research, 195:32-38.

4. Brown, E.C., **Tas, C.**, Brüne, M., (2012). Potential therapeutic avenues to tackle social cognition problems in schizophrenia. *Expert Review of Neurotherapeutics*, 12:71-81.
5. Brüne M., **Tas C.**, Wischniewski J., Heinisch C., Newen A., (2012). Hypnotic ingroup-outgroup suggestion influences economic decision-making in an Ultimatum Game. *Consciousness and Cognition*, 21:939-46.
6. Wiebkew. Majoreka K., **Tas C.**, Küperd C., Saimehc N. Juckel G., Brüne M., (2012). Emotion Recognition in Pictures of Facial Affect: Is there a Difference between Forensic and Non-forensic Patients with Schizophrenia? *European Journal of Psychiatry*, 26:73-85.
7. **Tas C.**, Brown E., Esen-Danacı A., Lysaker P., Brüne M., (2012). Intrinsic motivation and metacognition as predictors of learning potential in patients with remitted schizophrenia. *Journal of Psychiatry Research*, 46:1086-92.
8. **Tas C.**, Brown E., Cubukcuoglu Z., Aydemir O., Esen-Danacı A, Brüne M., (2013). Towards an integrative approach to understanding quality of life in schizophrenia: The role of neurocognition, social cognition, and psychopathology. *Comprehensive Psychiatry*, 54:262-8.
9. Brüne M., Scheele D., Heinisch C., **Tas C.**, Wischniewski J., Güntürkün O., (2012). Empathy moderates the effect of repetitive transcranial magnetic stimulation of the right dorsolateral prefrontal cortex on costly punishment. *PLoS ONE* 7(9): e44747.  
doi:10.1371/journal.pone.0044747.
10. Brüne M., **Tas C.**, Brown E.C., Armgart C., Dimaggio, G., Lysaker P., (2013). Metakognitive und sozial-kognitive Defizite bei Schizophrenien. Funktionelle Bedeutung und Behandlungsstrategien. *Zeitschrift für Psychiatrie, Psychologie und Psychotherapie*, 61: 231-237.
11. Brüne M, Ebert A., Kolb M., **Tas C.**, Roser P., (2013). Oxytocin ameliorates avoidant attentional biases to angry faces in adults with borderline personality disorder. *Human Psychopharmacology: Clinical and Experimental*, 28(6), 552-561.
12. Brown E., **Tas C.**, Can H., Esen-Danaci A, Brüne M., (2014). A closer look at the relationship between the subdomains of social cognition, social functioning and

symptomatology in clinically stable patients with schizophrenia. *Comprehensive Psychiatry*, 55: 25-32.

**13.** Çebi, M., **Tas, C.**, Tarhan, N. (2014). New Treatment Approaches in Tinnitus: The Place of Repetitive Transcranial Magnetic Stimulation and Transcranial Direct Current Stimulation Turkish Archives of Otolaryngology (<http://dx.doi.org/10.5152/tao.2014.533>).

**14.** **Tas C.**, Erensoy H., İbadi Y., Brown EC., Tarhan N, (2014). QEEG related changes following the treatment of anxiety disorders: Case series. *The Journal of Neurobehavioral Sciences*, 1 (1), 9-13.

**15.** Aydemir Ö., Çubukçuoğlu Z., Erdin S., **Tas C.**, Onur E., Berk M., (2014). Oxidative stress markers, cognitive functions, and psychosocial functioning in bipolar disorder: an empirical cross-sectional study. *Revista Brasileira de Psiquiatria*, 36(4), 293-297.

**16.** Brown E., **Tas C.**, Kuzu D., Esen-Danaci A, Roelofs K., Brüne M., (2014). Social approach and avoidance behaviour is modulated by endogenous oxytocin in schizophrenia. *Psychiatry Research*, 219(3), 436-442

**17.** **Tas C.**, Brown E., Aydemir O., Brüne M., Lysaker P., (2014). Metacognition in psychosis: Comparison of schizophrenia with bipolar disorder. *Psychiatry Research*, 219(3), 464-469.

**18.** Gonzalez-Lienres C., **Tas C.**, Brown EC. Erdin S., Onur E., Cubukcoglu Z., Aydemir O., Esen-Danaci A., Brüne M., (2014). Oxidative stress in schizophrenia: A case-control study on the effects on social cognition and neurocognition. *BMC psychiatry*, 14(1), 268.

**19.** **Tas C.**, Cebi M., Tan O., Hizli-Sayar G., Tarhan N., Brown E., (2015). EEG power, cordance and coherence differences between unipolar and bipolar depression. *Journal of Affective Disorders*, 172:184-190.

**20.** **Tas C.**, Brown E., Onur E., Aydın O, Aydemir O, Brüne M., (2015). The effects of basal oxytocin levels on the recognition of emotions in bipolar disorder. *Bulletin of Clinical Psychopharmacology*, 25 (1), 19-26.

- 21. Tas C.**, Karaköse R., Metin B., Yıldız G. N., Ekmen S., Brown E. C. & Tarhan N., (2015) Functional Brain Changes during Sema Meditation: Neuronal Correlates and Their Associations with Affective States. *The Journal of Neurobehavioral Sciences*, 2 (1), 1-6.
- 22.** Brown E. C., Gonzalez-Liencre C., **Tas C.**, Brüne M. (2015). Reward modulates the mirror neuron system in schizophrenia: A study into the mu rhythm suppression, empathy, and mental state attribution. *Social neuroscience*, 1-12, ( in press).doi:10.1080/17470919.2015.1053982
- 23.** Erguzel, T. T., Tas, C., & Cebi, M. (2015). A wrapper-based approach for feature selection and classification of major depressive disorder-bipolar disorders. *Computers in biology and medicine*, 64, 127-137.
- 24.** Saricicek A., Yalin N., Hidiroglu C., Cavusoglu B., **Tas C.**, Zorlu N., Ada E., Tunca Z., Ozerdem A. (2015). Neuroanatomical Correlates of Genetic Risk for Bipolar Disorder: A Voxel-Based Morphometry Study in Bipolar Type I Patients and Healthy First Degree Relatives , *Journal of affective disorders*, 186, 110-118
- 25.** Tukul R., Aydın K., Yüksel Ç., Ertekin E., Koyuncu A., **Taş C.**, (2015). Gray matter abnormalities in unmedicated patients with social anxiety disorder: a voxel-based morphometry. *Psychiatry Research-Neuroimaging* 30;234(1):106-12.
- 26.** Brown, E. C., Gonzalez-Liencre, C., **Tas, C.**, & Brüne, M. (2016). Reward modulates the mirror neuron system in schizophrenia: A study into the mu rhythm suppression, empathy, and mental state attribution. *Social neuroscience*, 11(2), 175-186.
- 27.** Aydın, O., Balıkcı, K., **Tas, C.**, Aydın, P. U., Danacı, A. E., Brüne, M., & Lysaker, P. H. (2016). The developmental origins of metacognitive deficits in schizophrenia. *Psychiatry research*, 245, 15-21.
- 28.** Gonzalez-Liencre, C., Brown, E. C., **Tas, C.**, Breidenstein, A., & Brüne, M. (2016). Alterations in event-related potential responses to empathy for pain in schizophrenia. *Psychiatry research*, 241, 14-21.

- 29. Tas, C.**, Mogulkoc, H., Eryilmaz, G., Gogcegoz-Gul, I., Erguzel, T. T., Metin, B., & Tarhan, N. K. (2016). Discriminating schizophrenia and schizo-obsessive disorder: a structural MRI study combining VBM and machine learning methods. *Neural Computing and Applications*, 1-11.
- 30.** Aydin, O., Balikci, K., **Tas, C.**, Unal Aydin, P., Cokmus, F. P., & Esen Danaci, A. (2017). The comparison of executive functions, social cognition and plasma oxytocin level between mothers' of schizophrenia patients and healthy control: searching for a new endophenotype. *Anatolian journal of psychiatry*, 18(4), 307-313.
- 31.** Tarhan, N., Metin, B., **Taş, C.**, Kaya, B. S., & Krzan, F. Z. (2017). The relationship between responsiveness to social and monetary rewards and ADHD symptoms.
- 32.** Metin, S., Metin, B., **Tas, C.**, & Tarhan, N. (2017). Connectivity differences between bipolar disorder, unipolar depression and schizophrenia. *European Psychiatry*, 41, S348.
- 33.** Erdeniz, B., Serin, E., İbadi, Y., & **Taş, C.** (2017). Decreased Functional Connectivity in Schizophrenia: The Relationship between Social Functioning, Social Cognition and Graph Theoretical Network Measures. *Psychiatry Research: Neuroimaging*.  
<http://dx.doi.org/10.1016/j.pscychresns.2017.09.011>

- **Book chapters**

- 34.** Lysaker HP., Dimaggio G., Brüne M. (Editors), 2014. Social cognition and metacognition in schizophrenia: Psychopathology and treatment approaches. Chapter 2- Brown E., **Tas C.**, Gonzeles A., Brüne M. Neurobiological underpinnings of social cognition and metacognition in schizophrenia spectrum disorders. San Diego, CA: Academic Press/Elsevier.
- 35.** Lysaker HP.; Dimaggio G., Brüne M. (Editors), 2014. Social cognition and metacognition in schizophrenia: Psychopathology and treatment approaches. Chapter 21-**Tas C.**, Brown E., Gonzeles A., Brüne M. Experimental usage of Oxytocin to combat deficits in social cognition. San Diego, CA: Academic Press/Elsevier.
- 36.** Chen, Y., & Kateb, B. (Eds.). (2017). *Neurophotonics and Brain Mapping*. Chapter 28- Tarhan N., Krzan F., Cebi M., Ekmen S., Erguzel T., Ozekes S., Unsalver B. and **Tas C.**, EEG biomarkers in depression, New York, CRC Press, Taylor&Francis.

- **Selected Conference Papers, Seminars and Published Abstracts:**



38. Danaci .E, Gulseren L, **Tas C.**, Cubukcuoglu Z. Factors that affect the perceived family burden of the families which has a schizophrenic member, 11 th Spring Symposium of Turkish Psychiatry Association, Turkey, 2007.
39. **Tas C.**, Interventions to improve social cognition in schizophrenia: Review 45th National Congress of Turkish Psychiatry Association, Turkey, 2009.
40. **Tas C.**, Danaci AE, Cubukcuoglu Z. The validity and reliability study of Need for closure scale for Turkish people. Poster 14th Psychiatry Spring Symposium of Turkish Psychiatry Association, Turkey, 2010.
41. **Tas C.**, A.E. Danaci Workshop: Family involved social cognition and interaction training , 15 th Spring Symposium of Turkish Psychiatry Association, Turkey, 2010.
42. **Tas C.**, Neurocognitive improvements in psychosocial interventions in schizophrenia, 47 th National Congress of Turkish Psychiatry Association, Turkey, 2011.
43. **Tas C.**, Computerized cognitive remediation in Schizophrenia, 47 th National Congress of Turkish Psychiatry Association, Turkey, 2011.
44. **Tas C.**, Brown EC., Esen-Danacı A., Lysaker P., Brüne M.,. Motivation and metacognition as predictors of occupational functioning in remitted schizophrenia patients, 3rd Biennial Schizophrenia International Research Society Conference, Italy, 2012.
45. Brown EC. ,**Tas C.** , Esen-Danacı A., Lysaker P., Brüne M. How separable are the domains of social cognitive deficits in schizophrenia?, 3rd Biennial Schizophrenia International Research Society Conference, Germany, 2012.
46. Brown EC., **Tas C.**, Esen-Danacı A., Brüne M. Social approach and avoidance in schizophrenia: The relationship with paranoia, social cognition and oxytocin. Jahreskongress der Deutschen Gesellschaft für Biologische Psychiatrie, Germany, 2012.
47. **Tas C.**, Brown EC., Esen-Danacı A., Brüne M. The role of plasma oxytocin and cortisol levels and metacognition on social learning and social stress response in schizophrenia patients. Jahreskongress der Deutschen Gesellschaft für Biologische Psychiatrie, Germany, 2012.

- 48. Tas C.** Family assisted social cognition and interaction training: The impact of micro social community on the outcome of social cognitive remediation. Neurex Symposium-Cognitive Disorders and remediation in schizophrenia and other mental diseases, France, 2013.
- 49. Tas C.** Understanding Social Cognition in Schizophrenia: An Alternative Approach Through Endogenous Oxytocin Faculty. Bahcesehir University, Berlin Campus -Different Faces of Cognition: From Theory to Clinical Practice, Germany, 2013.
- 50.** Gonzalez-Liencre C., **Tas C.**, Brown EC. Erdin S., Onur E., Cubukcoglu Z., Aydemir O., Esen-Danaci A., Brüne M. Oxidative stress is related to neurocognition but not social cognition in patients with schizophrenia. 3rd Biennial Schizophrenia International Research Society Conference, , İtalya, 2014.
- 51. Tas C.**, Hızlı-Sayar G. Can electroencephalographic cordance patterns distinguish trichotillomania and obsessive compulsive disorder? 6. Uluslararası Psikofarmakoloji Kongresi & Uluslararası Çocuk ve Ergen Psikofarmakoloji Sempozyumu, Türkiye, 2014.
- 52. Tas C.** Social Brain. 11. Uluslararası Sinirbilim Kongresi, Türkiye, 2014.
- 53. Tas C.** NMDA hypofunction hypothesis in schizophrenia. 2nd Eurasian Regional Congress of Biological Psychiatry. Türkiye, 2014.
- 54. Tas C.** The use of QEEG in biological classification of psychiatric disorders. 2nd Eurasian Regional Congress of Biological Psychiatry. Türkiye, 2014.
- 55.** Çebi M., Moğulkoç H., **Taş C.**, Bayram A., Tan O., Tarhan N. Electrophysiological differences in EEG: A comparative study between unipolar and bipolar depression. 2. Eurasian Biological Psychiatry Congress. Türkiye, 2014.
- 56. Tas C.** fMRI and Behavioural Correlates of Sufi Meditation. 2014 Joint Annual Meeting ECNS. Canada, 2014.
- 57. Tas C.**, Mogulkoc H., Eryilmaz G., Gogcegoz-Gul I., Tarhan N., A Comparison of Schizophrenia with Schizo-obsessive Disorder: A VBM Study. Joint Annual Meeting ECNS. Canada, 2014.

#### **VOLUNTEER WORK EXPERIENCE**

Working for “life with schizophrenia civil association” with patients and in public society- since 2007

**HOBBIES**

Licensed boat captain and sailor.