

## CURRICULUM VITAE

**1. Name:** Chairat TURBPAIBOON

**2. Born:** 17 October 1978; Bangkok, Thailand.

**3. Marital status:** Single

**4. Present positions:**

2018-present Assistant Professor in Anatomy, Department of Anatomy, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.  
[www2.si.mahidol.ac.th/department/anatomy/](http://www2.si.mahidol.ac.th/department/anatomy/)

2019-2023 Deputy Head of Department for Research & Academic Affairs and Executive Committee, Department of Anatomy, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.  
[www2.si.mahidol.ac.th/department/anatomy/](http://www2.si.mahidol.ac.th/department/anatomy/)

**5. Contact Address:**

Dr. Chairat Turbpaiboon,  
Department of Anatomy, Faculty of Medicine Siriraj Hospital,  
Mahidol University  
2 Wanglang Road, Bangkok Noi, Bangkok 10700, Thailand.

*Tel:* (66-2)-4197035; *Fax:* (66-2)-4198523

*e-mail:* [cturbpaiboon@hotmail.com](mailto:cturbpaiboon@hotmail.com), [chairat.tur@mahidol.ac.th](mailto:chairat.tur@mahidol.ac.th)

**6. Education:**

1985-1990 Saint Gabriel College, Bangkok, Thailand.

1991-1993 Suankularb Wittayalai, Bangkok, Thailand.

1994-1996 Triamudom Suksa, Bangkok, Thailand.

1997-2007 Faculty of Medicine Siriraj Hospital,  
Mahidol University, Bangkok, Thailand.

2000-2003 Faculty of Political Science,  
Ramkhamhaeng University, Bangkok, Thailand.

2000-2005 Department of Biochemistry, Faculty of Science,  
Mahidol University, Bangkok, Thailand.

**7. Qualifications:**

2000 B.Sc. (Hons), Medical Science, Mahidol University, Thailand.

2004 B.A. (Hons), Political Science (Public Administration),

- Ramkhamhaeng University, Thailand.
- 2006 Ph.D., Biochemistry, Mahidol University, Thailand.  
*Thesis title:* Human Alpha-Globin Termination Mutants: Intra-erythrocytic Pathophysiology and DNA Detection.  
*Supervisor:* Prof. Dr. Praon Wilairat
- 2008 M.D. (Hons), Mahidol University, Thailand.

## 8. Previous Experience:

### *Previous positions:*

- 2008-2009 General Practitioner, Sappasitthiprasong Hospital, Ubon Ratchathani, Thailand.
- 2009-2014 General Practitioner, Detudom Royal Crown Prince Hospital, Ubon Ratchathani, Thailand.
- 2014-2018 Lecturer, Department of Anatomy, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.
- 2015-2019 Deputy Head of Department for Graduate Studies & Quality Development and Executive Committee, Department of Anatomy, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.

### *Short-course training:*

- 2003 The Wellcome Trust Advanced Course on Human Genome Analysis: Genetic Analysis of Multifactorial Diseases.  
 The Wellcome Trust Genome Campus, Hinxton, Cambridge, U.K.
- 2004 The Basic Gene Mapping/Linkage Analysis Course.  
 The Max Delbrück Center for Molecular Medicine, Berlin, Germany.
- 2018 Abridge Business Certificate (ABC).  
 College of Management, Mahidol University, Bangkok, Thailand.
- 2020 Mahidol University Executive Development Program (MU-EDP).  
 Mahidol University, Bangkok, Thailand.

### *Research fellowship:*

- 2004 Stagiaire Scientifique,  
 Génétique des maladies infectieuses et autoimmunes,  
 Institut Pasteur, Paris, France.  
*Supervisors:* Dr. Anavaj Sakuntabhai and Dr. Cécile Julier

## 9. Research and Academic Activities:

### *Past research experience:*

Molecular pathophysiology of hemoglobinopathy  
 Genetic studies of susceptibility to infectious diseases  
 (malaria and dengue viral infection)

### *Present research interests:*

Molecular genetics of human structural defects

*Teaching experience:*

Human Anatomy  
(Gross Anatomy, Histology, Embryology, Neuroanatomy and  
Topographic Anatomy)

Molecular Cell Biology

Human Genetics

**10. Professional Societies:**

- |           |  |
|-----------|--|
| 2015-2021 | Committee Member, Molecular Genetics Network,<br>Genetics Society of Thailand. |
| 2019-2023 | Executive Committee, Anatomy Association of Thailand.                          |

**11. Honours and Scholarships:**

- |           |   |
|-----------|---|
| 1997      | Highest 3-year cumulative GPA (4.00/4.00) of senior high school<br>education at Triamudom Suksa School.<br><br>Highest total scores of The National University Entrance Examination<br>1997 for Siriraj M.D. program. |
| 1999-2007 | Ph.D.-M.D. scholarship from The Medical Scholars Program,<br>Mahidol University.  |
| 2001-2005 | Ph.D. scholarship from The Royal Golden Jubilee Ph.D. Program,<br>The Thailand Research Fund.   |
| 2004      | Fellowship for scientific internship in France from The Embassy<br>of France in Thailand.   |
| 2006      | The Dean's List Award 2005 from The Faculty of Graduate Studies,<br>Mahidol University.   |

**12. Publications:**

*Research articles at international level (Web of Science, PubMed and Scopus):*

1. Oo, E. M., Ruamyod, K., Khowawisetsut, L., **Turbpaiboon, C.**, Chaisuksunt, V., Uawithya, P., Pholphana, N., Rangkadilok, N., Chompoopong, S. (2020) Germinated Brown Rice Attenuates Cell Death in Vascular Cognitive Impaired Mice and Glutamate-Induced Toxicity in HT22 Cells. *J. Agric. Food Chem.* **68**, 5093–5106.
2. **Turbpaiboon, C.**, Siripan, W., Nimnoi, P., Sreekanth, G. P., Wiriyarat, W., Tassaneetrithep, B., Chompoopong, S. (2018) NCAM and PSA-NCAM Expression in Developing ICR Mice. *Asian Biomed.* **12**, 179-187.
3. Lohasammakul, S., **Turbpaiboon, C.**, Chaiyasate, K., Tatsanavivat, P., Chompoopong, S., Roham, A., Ratanalekha, R., Aojanepong, C. (2018) Anatomy of Medial Plantar Superficial Branch Artery Perforators: Facilitation of Medial Plantar Superficial Branch Artery Perforator (MPAP) Flap Harvesting and Design for Finger Pulp Reconstruction. *Microsurgery* **38**, 536-543.

4. Lohasammakul, S., **Turbpaiboon, C.**, Ratanalekha, R., Ungprasert, P., Yodrabum, N. (2018) Inferior External Pudendal Artery Anastomosis, Additional Approach to Prevent Skin Necrosis in Replanted Penis. *Plast. Reconstr. Surg.* **142**, 535e-540e.
5. Lohasammakul, S., **Turbpaiboon, C.**, Ratanalekha, R., Lohsiriwat, V., Chaiyasate, K., Roham, A., Chuangsuwanich, A. (2018) Anatomy of superficial inferior epigastric vessels: revival of superficial inferior epigastric (SIEA) flap. *Eur. J. Plast. Surg.* **41**, 317-324.
6. Lohasammakul, S., **Turbpaiboon, C.**, Chompoonpong, S., Ratanalekha, R., Aojanepong, C. (2017) Vascular Nature and Existence of Anastomoses of Extrinsic Postauricular Fascia: Application for Staged Auricular Reconstruction. *Ann. Plast. Surg.* **78**, 723-727.
7. **Turbpaiboon, C.**, Wilairat, P. (2010) Alpha-hemoglobin stabilizing protein: molecular function and clinical correlation. *Front. Biosci.* **15**, 1-11.
8. Phimpraphi, W., Paul, R., Witoonpanich, B., **Turbpaiboon, C.**, Peerapittayamongkol, C., Louicharoen, C., Casademont, I., Tungpradabkul, S., Krudsood, S., Kaewkunwal, J., Sura, T., Looareesuwan, S., Singhasivanon, P., Sakuntabhai, A. (2008) Heritability of *P. falciparum* and *P. vivax* Malaria in a Karen Population in Thailand. *PLoS ONE* **3**, e3887.
9. Sakuntabhai, A., Ndiaye, R., Casadémont, I., Peerapittayamonkol, C., Rogier, C., Tortevoeye, P., Tall, A., Paul, R., **Turbpaiboon, C.**, Phimpraphi, W., Trape, J.F., Spiegel, A., Heath, S., Mercereau-Puijalon, O., Dieye, A., Julier, C. (2008) Genetic determination and linkage mapping of *Plasmodium falciparum* malaria related traits in Senegal. *PLoS ONE* **3**, e2000.
10. **Turbpaiboon, C.**, Limjindaporn, T., Wongwiwat, W., U-Pratya, Y., Siritanaratkul, N., Yenchitsomanus, P.T., Jitrapakdee, S., Wilairat, P. (2006) Impaired interaction of  $\alpha$ -haemoglobin-stabilising protein with  $\alpha$ -globin termination mutant in a yeast two-hybrid system. *Br. J. Haematol.* **132**, 370-373.
11. Sakuntabhai, A., **Turbpaiboon, C.**, Casademont, I., Chuansumrit, A., Lowhnoo, T., Kajaste-Rudnitski, A., Kalayanarooj, S.M., Tangnaratchakit, K., Tangthawornchaikul, N., Vasanawathana, S., Chaiyaratana, W., Yenchitsomanus, P.T., Suriyaphol, P., Avirutnan, P., Chokephaibulkit, K., Matsuda, F., Yoksan, S., Jacob, Y., Lathrop, G.M., Malasit, P., Despres, P., Julier, C. (2005) A variant in the CD209 promoter is associated with severity of dengue disease. *Nat. Genet.* **37**, 507-513.
12. **Turbpaiboon, C.**, Siritantikorn, A., Thongnoppakhun, W., Bunditworapoom, D., Limwongse, C., Yenchitsomanus, P.T., Siritanaratkul, N., Wilairat, P. (2004) Hemoglobin Pakse: presence on red blood cell membrane and detection by polymerase chain reaction-single-strand conformational polymorphism. *Int. J. Hematol.* **80**, 136-139.
13. **Turbpaiboon, C.**, Svasti, S., Sawangareetakul, P., Winichagoon, P., Srisomsap, C., Siritanaratkul, N., Fucharoen, S., Wilairat, P., Svasti, J. (2002) Hb Siam [ $\alpha$ 15(A13)Gly $\rightarrow$ Arg ( $\alpha$ 1) (GGT $\rightarrow$ CGT)] is a typical alpha chain hemoglobinopathy without an alpha-thalassemic effect. *Hemoglobin.* **26**, 77-81.

*Research articles in local or regional (TCI and ACI) journals and proceedings:*

1. Srikirin, P., Limjindaporn, T., Limwongse, C., Pithukpakorn, M., Roothumnong, E., Lalerd, Y., Thongnoppakhun, W., **Turbpaiboon, C.** (2021) Identification of a Novel *TSC2* Pathogenic Frameshift Insertion Causing Tuberous Sclerosis Complex, an Inherited Tumor Syndrome in a Sporadic Case. *Genomics Genet.* (*in press*).
2. Phimphakan, B., Kornrat, P., Limjindaporn, T., Pithukpakorn, M., Limwongse, C., Petchampai, N., Thongnoppakhun, W., **Turbpaiboon, C.** (2019) Two novel splicing *TBX5* mutations causing Holt-Oram syndrome. *Genomics Genet.* **12**, 1-10.
3. Ratanalekha, R., Lohasammakul, S., Piyaman, P., Patchanee, K., Oonjitti, T., **Turbpaiboon, C.** (2019) Commercial Silicone and Polyacrylamide for Non-radiographic Cadaveric Angiography: Gross- and Microanatomical Aspects. *Siriraj Med. J.* **71**, S5-S8.
4. Nimnoi, P., Siripan, W., **Turbpaiboon, C.**, Tassaneetrithep, B., Chompoopong, S. (2017) GFAP Expression Related to Brain Development of Postnatal Mice. *J. Physiol. Biomed. Sci.* **30**, 40-46.

*Textbooks and Guidebooks:*

1. **Turbpaiboon, C.** (2018) in *Anatomy and Clinical Application: Cardiovascular System*, First Edition (Chompoopong, S., ed.), ISBN 978-616-468-044-9, Pimsuay Co., Ltd., Bangkok. In Thai.  
Chapter 5: Thoracic Part of Autonomic Nervous System (pp. 103-115)