

CURRICULUM VITAE
For
Tarek Abdulsamad Ali Balam

PERSONAL DATA

Nationality: Libyan
Date of birth: 24 May 1972
Place of birth: Damascus, Syria
Sex: Male
Marital status: Married
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EDUCATION

Academic:

March 2005; *Ph.D. in Orthodontics*, Graduate School of
Dentistry, Okayama University, Japan
Oct. 1994; *Diploma of Doctor in Dentistry*, Oct 1994, Damascus
University, Syria.

June 2005 to March 2006: Orthodontic postgraduate course in Orthodontic
Department, Faculty of Dentistry, University Sains
Malaysia, Malaysia.

EMPLOYMENTS:

May 1st 2015 to June 25th 2015: Clinical fellowship in orthodontic
department- Chang Gung memorial Hospital, Taiwan.

November 2010 until October 2011: Postdoctoral fellowship in Orthodontic
Department-Okayama University, Japan.

March 2013 until December 2013: Postdoctoral fellowship in Department of

Orthodontics & Pediatric Dentistry-University of
Michigan, USA.

October 2012 until now: Assistant professor in Orthodontic Department-
Dental Faculty, Benghazi University (Libya).

May 2006 until October 2012: Lecturer in orthodontic department- Dental
Faculty, Benghazi University (Libya).

September 2007 until March 2013: Lecturer in High institute for medical
profession (Dental technician).

March 1998 ~ Sept. 2000: Dentist practitioner in dental clinic, 7th October
Hospital, Ministry of health, Benghazi, Libya.

June. 1995 ~ March1998: Dentist practitioner in dental clinics, Syria.

MEMBERSHIP

The Libyan Dental Association.
Japanese Orthodontic society.
Libyan Orthodontic Association.

LANGUAGE SKILLS

- 1) Arabic: mother language
- 2) English: good
- 3) Japanese: Intermediate

AWARDS

1. October 2000 until March 2005, **Japanese Government (Monbusho) scholarship**, Four years for Ph.D. in Orthodontic department-Okayama University, Japan.
2. November 2010 until October 2011, **Distinguished Scholar Award of the Arab fund fellowship program**, One year of Postdoctoral fellowship in Orthodontic Department-Okayama University, Japan.
3. March 2013 until December 2013, **The IDB Merit Scholarship Programme for High Technology' (MSP) from Islamic**

Development Bank for Post-Doctoral program, One year of Postdoctoral fellowship in Department of Orthodontics & Pediatric Dentistry-University of Michigan, USA.

4. May 1st 2015 to June 25th 2015, **Sabbatical leave**, two months as clinical fellowship in orthodontic department- Chang Gung memorial Hospital, Taiwan.

Conferences:

17-18 November 2004. The 63rd Annual Meeting of the Japanese Orthodontic Society.
27-28 November 2004. The 52nd Annual meeting of Japanese Association for Dental Research (JADR).

REFERENCE

Teruko Takana-Yamamoto, DDS, Ph.D

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ACCOMPLISHMENTS

Publications:

- 1. Experimental tooth movement upregulates preproenkephalin mRNA in the rat trigeminal nucleus caudalis and oralis.**
Balam T.A., Yamashiro T., Zheng L., Ahmed S.A., Takano-yamamoto T.
Brain Res. 2005 Mar 2;1036(1-2):196-201.
- 2. Expression of osteopontin in odontoclasts revealed by in situ hybridization during experimental tooth movement in mice.**
Kuroda S., **Balam T.A.**, Sakai Y., Tamamura N., Takano-Yamamoto T.
J. Bone Miner Metab, 2005;23(2):110-3.
- 3. Galanin-immunoreactive nerve fibers in the periodontal ligament during experimental tooth movement.**
Deguchi T., Takeshita N., **Balam T.A.**, Fujiyoshi Y., Takano-Yamamoto T.
Journal of Dental Research, Vol. 82, No. 9, September 2003.
- 4. Denervation resulting in dento-alveolar ankylosis associated with decreased Malassez epithelium.**
Fujiyama K., Yamashiro T., Fukunaga T., **Balam T.A.**, Zheng L., Takano-Yamamoto T.
Journal of Dental Research, Vol. 83, No. 8, August 2004.
- 5. Bone morphogenetic protein 3 expression pattern in rat condylar cartilage, femoral cartilage and mandibular fracture callus.**
Zheng L, Yamashiro T, Fukunaga T, **Balam TA**, Takano-Yamamoto T.
Eur J Oral Sci. 2005 Aug;113(4):318-25.

6. CTGF and apoptosis in mouse osteocytes induced by tooth movement.

Sakai Y, **Balam TA**, Kuroda s, Tamamura N, Fukunaga T, Takigawa M, Takano-Yamamoto T.
Journal of dental research, 2009 Apr;88(4):345-50.

7. SSEA-4 is a marker of human deciduous periodontal ligament stem cells

H. Fukushima, N. Kawanabe, S. Murata, Y. Ishihara, T. Yanagita, **T.A. Balam**, and T. Yamashiro
J Dent Res. 2012 Oct;91(10):955-60.

8. Indirect usage of miniscrew anchorage to intrude overerupted mandibular incisors in a class II patient with a deep overbite.

Yoshihito Ishihara, Shingo Kuroda, Yasuyo Sugawara, **Tarek A. Balam**, Teruko Takano-Yamamoto and Takashi Yamashiro.
American Journals of Orthodontics and Dentofacial Orthopedics- 2013 Apr;143(4 Suppl):S113-24.

9. Ex vivo real-time observation of Ca(2+) signaling in living bone in response to shear stress applied on the bone surface.

Ishihara Y, Sugawara Y, Kamioka H, Kawanabe N, Hayano S, **Balam TA**, Naruse K, Yamashiro T.
Bone. 2013 Mar;53(1):204-15.

10. Relationship between orthodontic expertise and perception of need for orthodontic treatment for mandibular protrusion in Japan.

Murakami T, Fujii A, Kawabata Y, Takakura H, Yamaue R, **Balam TA**, Kuroda S, Kawanabe N, Kamioka H, Yamashiro T.
Acta Med Okayama. 2013 Oct;67(5):277-83.

11. Orai1 Expression Pattern in Tooth and Craniofacial Ectodermal Tissues and Potential Functions During Ameloblast Differentiation.

Zheng L, Zinn V, Lefkelidou A, Taqi N, Chatzistavrou X, **Balam T**, Nervina J, Papagerakis S, Papagerakis P.
Dev Dyn. 2015 Jul 15. doi: 10.1002/dvdy.24307

Research Topics

USA:

1. Circadian genes and its role in aging-related alopecia which is characterized by aberrations in the hair growth cycle.
2. Tooth phenotype in ENPP1 Knockout mice
3. Expression pattern of Orai1 in tooth.

Malaysia:

1. Related genes to cleft lip and palate.

Japan:

1. Tooth movement.
2. Pain modulation.
3. Cleft palate.