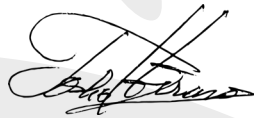
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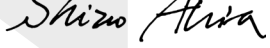


Toshio Hirano, M.D., Ph.D.

President
Osaka University

This is to certify that

AMJAD SALAH AL MOSA



Shizuo Akira, M.D., Ph.D.

Professor
Director of WPI Immunology Frontier Research Center
Osaka University

successfully completed and received a passing grade in

BIO101x: The Immune System: New Developments in Research

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