Ce–M–M– Research Center for Molecular Medicine of the Austrian Academy of Sciences

Landsteiner Lecture 2012

Ruslan M. Medzhitov, Ph.D. Yale School of Medicine, New Haven, CT, USA Host Defense Strategies

May 3, 2012, 6.00 pm Festive Hall, Austrian Academy of Sciences Dr. Ignaz Seipel-Platz 2, 1010 Vienna Host: Giulio Superti-Furga

Met –Ala –I eu –Thr –Trp –M

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- Glu-Arg-Gly-Phe-Phe-Ihr-Iyr-Ihr -Pro-Lys-Thr-Arg-Arg-Glu-Ala-Glu -Asp-Leu-Gln-Val-Gly-Gln-Val-Glu -Leu-Gly-Gly-Gly-Pro-Gly-Ala-Gly -Ser-Leu-Gln-Pro-Leu-Ala-Leu-Glu -Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu-Glu -Gly-Ser-Leu-Gln-Yro-Gly-Ile -Val-Glu-Gln-Cys-Cys-Thr-Ser-Ile -Cys-Ser-Leu-Thr-Tyr-Gln-Leu-Glu -Asn-Thr-Tyr-Cys-Asn Met-Ala-Leu -Thr-Trp-Met-Arg-Leu-Leu -Pro-Leu-Ala -Inu-Jeu-Ala-Jeu

--Thr-Trp-Gly-Pro-Asp-Pro-Ala --Thr-Trp-Gly-Pro-Asp-Pro-Ala --Ala-Ala-Phe-Val-Asn-Gln-His-Leu-Cys-Gly-Ser -His-Leu-Val-Glu-Ala-Leu-Thr-Tyr-Leu-Val-Cys-Gly-Ala-Glu-Asp Gly-Phe-Phe-Thr-Tyr-Thr-Pro-Lys-Thr-Arg-Arg-Glu-Ala-Glu-Asp eu-Gln-Val-Gly-Gln-Val-Glu-Leu-Gly-Gly-Gly-Pro-Gly-Ala-Gly-Ser --Gln-Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg-Gly-Ile-Val-C Cys-Cys-Thr-Ser-Ile-Cys-Ser-Leu-Thr-Tyr-Gln-Leu-Glu-Asn-Thr-Tyrtet-Ala-Leu-Thr-Trp-Met-Arg-Leu-Leu-Pro-Leu-Leu-Ala-Leu-Leu-Ala p-Gly-Pro-Asp-Pro-Ala-Ala-Ala-Phe-Val-Asn-Gln-His-Leu-Cys-Gly-I-Val-Glu-Ala-Leu-Thr-Tyr-Leu-Val-Cys-Gly-Glu-Arg-Gly-Phe-Phe-Tl -Lys-Thr-Arg-Arg-Glu-Ala-Glu-Asp-Leu-Gln-Val-Gly-Gly-Gly-Ser--Arg-Gly-Ile-Val-Glu-Gla-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu-Thr-Ty--Asn-Thr-Tyr-Cys-Asn Met-Ala-Leu-Thr-Trp-Met-Arg-Leu-Leu-Pr -Leu-Leu-Ala-Leu-Thr-Trp-Gly-Pro-Asp-Pro-Ala-Ala-Ala-Phe-V& -Leu-Leu-Ala-Leu-Thr-Tyr-Thr-Pro-Lys-Thr-Arg-Arg-Gly-Ala-Gl -Gly-Phe -Phe -Thr-Tyr -Thr -Pro-Lys -Thr -Arg -Arg -Glu-Ala -Gln-Val-Gly-Gln-Val-Glu-Glu-Cly-Ser-Leu-Gln-Asp-Pro-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Asp-Pro-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Asp-Arg-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Tyr-Gln-Asp-He-Va -Cys-Thr-Ser-Ile-Cys-Ser-Leu-Hr-Tyr-Gln-Leu-Leu-Ala-Leu-Ala-Leu-Gly-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg-Gly-Ala-Gl -Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Lu-Hr-Tyr-Gln-Leu-Leu-Ala-Leu-Ma--Ala-Leu-Thr-Trp-Met-Arg-Leu-Leu-Pro-Leu-Leu-Ala

-Ala-Leu-Thr-Trp-Met-Arg-Leu-Leu-Pro-Leu-Leu -Leu-Thr-Trp-Gly-Pro-Asp-Pro-Ala-Ala-Ala-Phe -Leu-Cys-Gly-Ser-His-Leu-Val-Glu-Ala-Leu-Thr-Tyr -Glu-Arg-Gly-Phe-Phe-Thr-Tyr-Thr-Pro-Lys-Thr -Glu-Asp-Leu-Gln-Val-Gly-Gln-Val-Glu-Leu-Gly -Ala-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu-Glu-Gly -Glu-Lys-Ser-Ala-Val-Thr-Ala -Glu-Val-Gly-Gly-Glu-Ala-Leu-C -Arg-Leu-Thr-Trp-Gly-Lys-Val-Asn-Val -Asp-Glu-Val-Gly-Gly-Glu-Ala-Leu-G -Arg-Leu-Val-Val-Val-Thr-Tyr-Pro-Thr -Thr-Gln-Arg-Phe-Phe-Glu-Ser-Phe-Gly -Leu-Ser-Thr-Pro-Asp-Ala-Val-Met-Gly-As -Lys-Val-Lys-Ala-His-Gly-Lys-Lys-Val-Leu--Ala-Phe-Ser-Asp-Gly-Leu-Ala-His-Leu-Ser-Glu -His-Qrs-Asp-Lys-Leu-His-Val-Asp-Pro-Glu-Asn-Arg-Leu-Leu-Gly-Asn-Val-Leu-Val-Asp-Pro-O-Glu-Asn-Arg-Leu-Leu-Gly-Asn-Val-Leu-Val-Cys-Val-Leu-His-His-Phe-Gly-Lys-Glu-Phe-Thr-Pro-Pro-V Gln-Ala-Ala-Thr-Tyr-Glu-Jus-Ser-Ala-Val -Ala-Asn-Ala-Leu-Ala-His-Lys-Thr-Tyr-His Met-Val-His-Leu-Thr-Trp-Gly-Glu-Ala-Leu-Gly-Arg -Leu-Leu-Val-Val-Thr-Tyr-Pro-Thr-Trp-Thr -Gln-Arg-Phe-Phe-Glu-Ser-Phe -Gly-Asp-Leu-Ser-Thr-Pro -Asp-Ala-Val-Met-Gly-Ser-Phe -Gly-Asp-Leu-Ser-Thr-Pro -Asp-Ala-Val-Met-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asp -Leu-Asp-Asn-Leu-Js-Gly-Leu-Ala--Is-Asp-Ala-Val-Met-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Pro-Lys-Val-Leu-Gly-Asn -Lys-Asp-Ls-Leu-Leu-Gly-Asn -Lys-Asp-Ls-Leu-La-His-His-Pro -Asp-Ala-Val-Met-Gly-Asn -Lys-Thr-Tyr-His Met-Val-His-Leu--Lys-Ser-Ala-Val-Thr-Ala-Leu-His-His-Phe -Qiy-Asp-Leu-Leu-Ala-His-His-Pro -Lys-Ser-Ala-Val-Thr-Ala-Leu-Thr-Tr -Val-Asp-Glu-Val-Gly-Gly-Glu-Ala-Asn -Lys-Chr-Tyr-His Met-Val-His-Leu--Val-Val-Thr-Tyr-Pro-Thr-Trp-Thr-Gin-Ala--Lys-Val-Lys-Glu-Ala-Leu-Sp-Asn-Leu-Lys--Gly-Leu-Ala-His-Gly-Sp-Asp-Ala-V -Lys-Ser-Glu-Leu-His-Gly-Sp-Ala-V -Lys-Ser-Glu-Leu-His-Gly-Asp-Ala-V -Lys-Ser-Ala-Val-Thr-Ala-Leu-Thr-Tr -Val-Asp-Glu-Val-Gly-Glu-Ala-Leu-Val-His-Leu-Va -His-His-Phe-Gly-Lys-Glu-Phe-Thr-Pro-Asp-Ala-V -Lys-Ser-Glu-Leu-His-Gly-Asp-Ala-V -Lys-Ser-Glu-Leu-His-Gly-Asp-Ala-V -Lys-Ser-Glu-Leu-His-Gly-Val-Ala-Asp--Leu-Ser-Glu-Leu-His-Gly-Val-Ala-Asp--Leu-Ser-Glu-Leu-His-Gly-Val-Ala-Ciy-Val-Leu-Va -His-Lys-Thr-Tyr-His Met-Val-His-Leu-Thr-Tr -Ser-Ala-Val-Thr-Ala-Leu-Thr-