The 20th Annual Meeting of
the Society for Hair Science Research

第20回毛髪科学研究会

プログラム
抄録集

会　期：2012年12月1日（土）

会　場：久留米大学筑水会館
〒830-0011　福岡県久留米市旭町67

事務局：久留米大学医学部皮膚科学教室
〒830-0011　福岡県久留米市旭町67
TEL：0942-31-7571（内線：3728）
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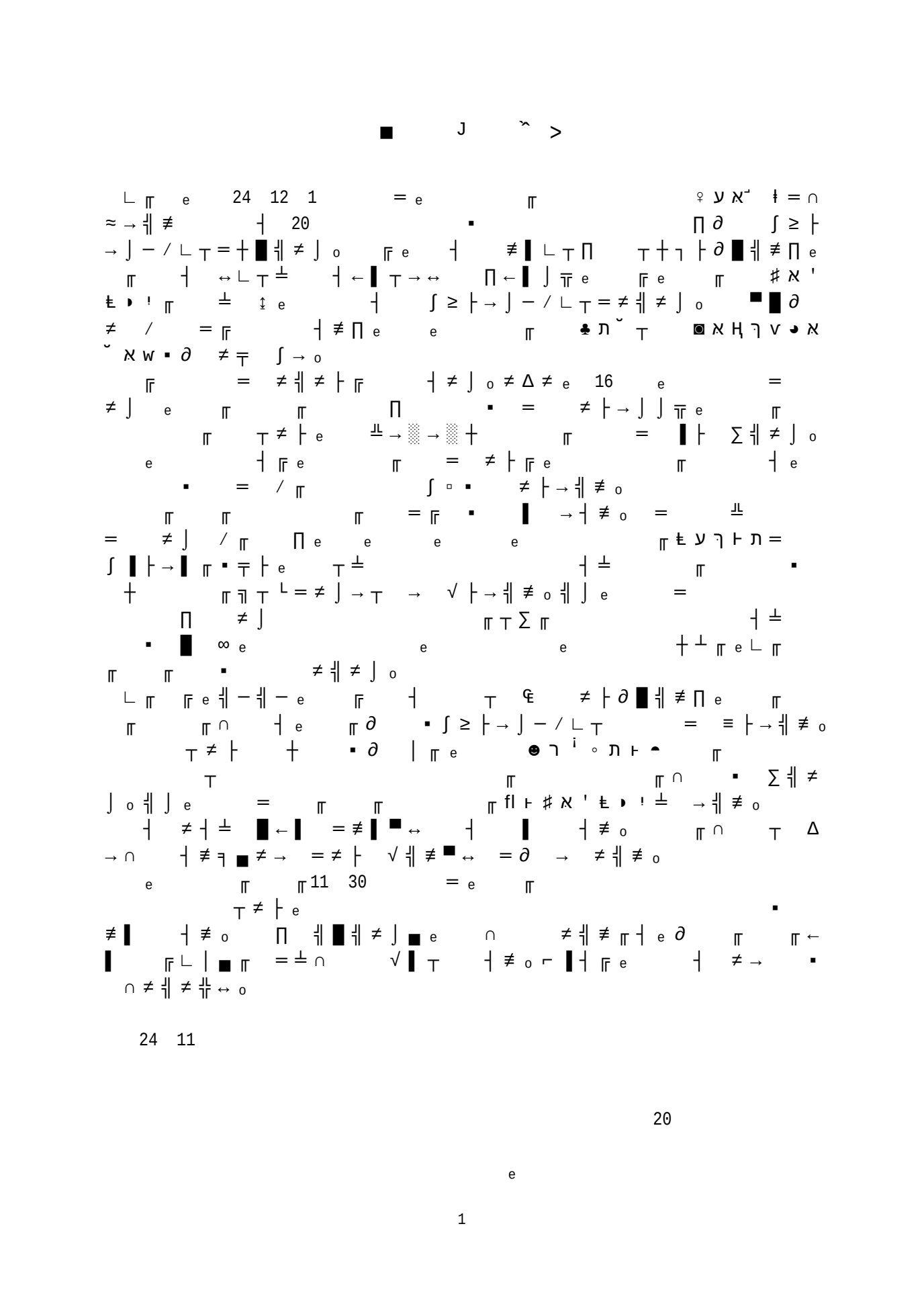

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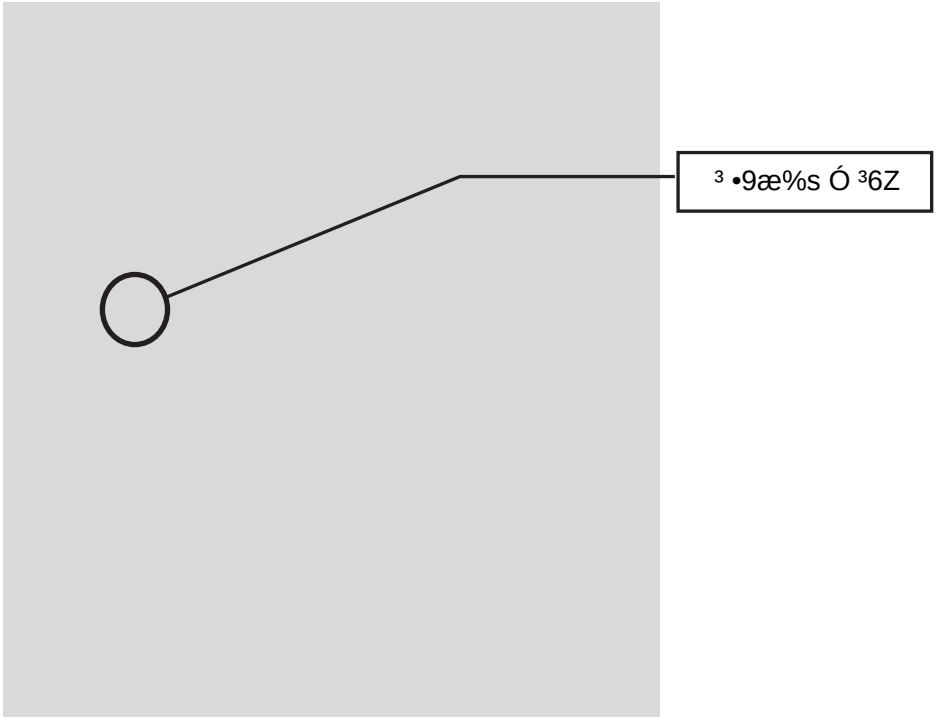

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Hair Growth-Promoting Effects of Adiponectin

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P-cadherin is a Novel Key Player in the Control of Human Hair Growth and Pigmentation

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The Role of Tfam in Murine Hair Follicle Development

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Environment and Epigenetic Regulation of Hair Stem Cell Regeneration

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Our Genetic Findings in Hair Growth Disorders

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Environment and Epigenetic Regulation of Hair Stem Cell Regeneration

Environmental Control:

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Epigenetic control:

Our Genetic Findings in Hair Growth Disorders

Hair Growth-Promoting Effects of Adiponectin

in vitro

ex vivo

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P-cadherin is a Novel Key Player in the Control of Human Hair Growth and Pigmentation

Dr. Liat Samuelov
Department of Dermatology, Tel Aviv Sourasky Medical Center, Israel

P-cadherin belongs to the classical cadherin family of proteins. It is part of adherens junctions in various epithelia, including the follicular epithelium. Loss-of-function mutations in CDH3, which encodes P-cadherin, result in hypotrichosis with juvenile macular dystrophy (HJMD), an autosomal recessive disorder featuring sparse and short hair throughout life associated with progressive degeneration of the retinal macula leading to blindness during the second decade of life. In an attempt to recapitulate the functional effects of defective P-cadherin in a normal human hair model, we compared HF shaft production, cycling and pigmentation in human anagen VI scalp hair follicles (HFs) transfected with lipofectamine and CDH3-specific or scrambled control siRNAs. Successful knock-down of P-cadherin was achieved. P-cadherin silencing inhibited hair shaft growth, caused premature catagen induction, reduced HF pigmentation, and inhibited hair matrix keratinocyte proliferation. When only anagen VI and control HFs were compared, P-cadherin knock-down significantly reduced gp100, MITF and SCF expression at the mRNA and protein level as well as tyrosinase activity in situ. c-kit and

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Roles of MED1 in Quiescence of Hair Follicle Stem Cells and Maintenance of Normal Hair Cycling

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Activation and Maintenance of Melanocyte Stem Cells

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Possible Roles of FGF5s in Regulation of FGF5 Expression

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High-Throughput Production of Hair-Follicle Nestin-expressing Stem Cells for Regenerative Medicine

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Statistical Analysis of Prognostic Factors in Patients with Rapidly Progressive Alopecia Areata

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Association of Androgenetic Alopecia with Obesity, Hemoglobin A1c, Low-Density Lipoproteincholesterol, Alanine Transaminase, Gamma-glutamyltranspeptidase and Systolic Blood Pressure: Clinic-based Survey in Japan

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The Present Situation of the Hair Disease Clinic in Keio University Hospital: Especially Focusing on the Treatment of Alopecia Areata and its Outcome

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Survey of Alopecia Areata Seen at Juntendo University Hospital, Part2 Short-term Treatment Study

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Systemic Growth Factor Treatment of the Patients with Androgenetic Alopecia and Alopecia Areata: Preliminary Study

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Two Cases of Alopecia Areata in Infants

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Analysis of the Cases of Alopecia Areata Treated with Steroid Pulse Therapy at Jichi Medical University Saitama Medical Center

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Cronkhite-Canada

Hair Loss in Cronkhite-Canada Syndrome: a Clinicopathological Study of Two Cases

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Björnstad

A Case of Björnstad Syndrome

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Low Serum Zinc Level in Patients with Diffuse Hair Loss: Evaluation of the Possible Relationship between *Helicobacter Pylori* Infection and Low Serum Zinc Level in Alopecia Patients

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