
Subject: Meine Theorie 4.0 ;)

Posted by [Haar_Challenge_2021](#) on Tue, 13 Aug 2013 20:21:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

Der Ablauf ist wohl Ungefähr dieser:

DHT Hochregulation durch erhöhte Produktion oder erhöhte Sensibilität fördert DKK-1 Überexpression (13). Der Überschuss DKK-1 dann beeinträchtigt WNT-Signalisierung (2). Statt Wnt-Signalweg wird die GSK-3-Aktivität erhöht (4). GSK-3 hemmt dann die Transkriptionsaktivität Smad-1 (5). Die Auswirkungen auf die SMAD-1 beeinträchtigt BMP Fähigkeit DLX3 (9) zu aktivieren.

Muss noch TGF Beta, Interleukine und Mastzellen, Sowie Darmbakterien, Pilze erweitern aber das ist Ungefährer Ablauf.

Mann ist eventuell Genetisch vorbelastet was das Lipoprotein (A) welches zu einem späterem Zeitpunkt (Durch das Alter, Ernährung, Hormone) auch einen Einfluss auf DKK1 ausübt.

DHT > DKK-1 > WNT > GSK-3 > SMAD-1 > DLX3
BMP > SMAD-1 > DLX3

Lipoprotein (A): ist ein genetischer Faktor, den man vererbt bekommen hat oder nicht. Deutlich erhöhte Blut-Werte sind mit einem 2- bis 5-fach erhöhten Arterioskleroserisiko verbunden.

Lipoprotein (A): ist ein genetischer. Risikofaktor für den Herzinfarkt

Meiner Meinung nach wäre es am besten beim DKK1 Anzusetzen. Renokin hat ein gutes Topisches Produkt

http://www.renokin.com/index.php?pgname=home/sub_composition mit einem Peptid aber vermutlich ist dies wie bei den Spectral Produkten Unterdosiert.

L-Theronate Oral hat glaub nie jemand richtig ausprobiert oder?

DKK-1 Enhances Inflammatory Interaction Between Platelets and Endothelial Cells and Shows Increased Expression in Atherosclerosis.

"Research Institute for Internal Medicine, the Department of Endocrinology, the Department of Cardiology, and the Section of Clinical Immunology and Infectious Diseases, Rikshospitalet, Oslo University Hospital, and the Faculty of Medicine, University of Oslo, Norway; and the Centre for Molecular Medicine, Karolinska Institute, Stockholm, Sweden.

OBJECTIVE: Based on the emerging importance of the wingless (Wnt) pathways in inflammation and vascular biology, we hypothesized a role for Dickkopf-1 (DKK-1), a major modulator of Wnt signaling, in atherogenesis and plaque destabilization. METHODS AND RESULTS: We report increased levels of DKK-1 in experimental (ApoE(-/-) mice) and clinical (patients with coronary artery disease [n=80] and patients with carotid plaque [n=47]) atherosclerosis, both systemically (serum) and within the lesion, with particularly high levels in advanced and unstable disease. We identified platelets as an important cellular source of DKK-1 as shown by in vitro experiments and by immunostaining of thrombus material obtained at the site of plaque rupture in patients with acute ST-elevation myocardial infarction, with strong immunoreactivity in platelet aggregates. Our in vitro experiments identified a role for platelet- and endothelial-derived DKK-1 in platelet-dependent endothelial activation, promoting enhanced release of inflammatory cytokines.

These inflammatory effects of DKK-1 involved inhibition of the Wnt/beta-catenin pathway and activation of nuclear factor kappaB. CONCLUSIONS: Our findings identify DKK-1 as a novel mediator in platelet-mediated endothelial cell activation. The demonstration of enhanced DKK-1 expression within advanced carotid plaques may suggest that this DKK-1-driven inflammatory loop could be operating within the atherosclerotic lesion.

dickkopf 1 (DKK-1) is one of the most upregulated genes in balding dermal papilla cells. With all the casual associations between cardiovascular diseases and male pattern baldness, maybe it's no surprise that DKK-1 is implicated in atherosclerosis. Generally it's perfectly normal to have DKK-1 proteins in areas on the skin that are non intended to possess hair, such as the palm of the hand or the bottom of feet. Looking for a way this can epigenetically silenced or inhibited in a convenient fashion."

LPA -> DKK1

"The most remarkable result of our study is the significantly higher levels of Lp(a) in patients with androgenetic alopecia because Lp(a) is an important, independent and genetically determined risk factor for coronary heart disease [2]. It has been shown that high levels of Lp(a) in men under 56 years was a strong indicator of angiographically confirmed CHD [5]."

There's still quite a lot that is not known about what Lp(a) does in the body. It's suspected it might play a role in wound healing, but it's also implicated in plaque formation.

There was a study that showed that a moderate consumption of alcohol lowered Lp(a), but it didn't occur world wide--probably has to do with what is actually used to drink. Red wine is probably best.

WNT > Follicle:

1. <http://www.ncbi.nlm.nih.gov/pubmed/23190887>

"A signal first arising in the dermis to initiate the development of hair follicles has been described for many decades. Wnt is the earliest signal known to be intimately involved in hair follicle induction."

DKK-1 > WNT:

2. <http://www.touchbriefings.com/pdf/3196/walker.pdf>

"Dickkopf family members (Dkk1 and Dkk2) and secreted frizzled related proteins (Sfrps) are families of extracellular proteins that negatively modulate canonical Wnt signalling."

3. <http://www.sciencedirect.com/s...pii/S8756328206004078>

"More widespread Dkk1 expression (driven by the Col1A1 3.6 kb promoter) yielded osteopenia with forelimb deformities and hairlessness,"

WNT > GSK3 > SMAD1:

4. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2200633/>

"In the present study we demonstrate that phosphorylation at the GSK3 sites represses the transcriptional activity of Smad1 by enhancing proteasomal degradation of pSmad1Cter."

5. http://www.hhmi.ucla.edu/derob...09/Eivers_CGFR_09.pdf

"Phosphorylation of Smad1 by MAPK and GSK3 result in its polyubiquitination and transport to the centrosome where it is degraded by the proteasome. These linker phosphorylations inhibit BMP/Smad1 signaling by shortening its duration. Wnt, which negatively regulates GSK3 activity, prolongs the BMP/Smad1 signal"

BMP > SMAD1 > DLX3:

6. <http://www.nature.com/onc/jour...n4/full/1204117a.html>

"Smad1 stained primarily in the cytoplasm of the epidermis, hair follicles, and some dermal fibroblasts (Figure 3). Although both Smad1 and -5 have been suggested to mediate BMP signaling, the staining pattern of Smad5 in the skin was different from Smad1 ... Hair follicles harbor epidermal stem cells that determine epidermal proliferation, differentiation and regeneration. Therefore, if some of these Smads have effects on hair follicles, they may potentially affect epidermal development, wound-healing and carcinogenesis."

7. <http://researchresources.bumc....t/5R01AR049778-03.htm>

"BMPs, noggin, Smad1 and Smad5 are broadly expressed in the hair follicle epithelium and mesenchyme during its development and cycling. However, due to embryonic lethality of the noggin, Smad1 or Smad5 knockout mice, their roles in the control of cell proliferation, differentiation and apoptosis in the hair follicle remain largely unknown. Based on our preliminary data, we hypothesize that spatial and temporal specificity of BMP effects in distinct hair follicle compartments is determined by noggin-dependent magnitude of signaling through BMP receptors and by differential recruitment of the Smad1 and Smad5 transcriptional regulators."

8. <http://www.ncbi.nlm.nih.gov/pubmed/18684741>

"Colocalization of phospho-Smad1/5/8 and Dlx3 is consistent with a regulatory role for BMP signaling to Dlx3 during hair morphogenesis. Importantly, mutant catagen follicles undergo delayed regression and display persistent proliferation. Moreover, ablation of Dlx3 expression in the telogen bulge stem cells is associated with a loss of BMP signaling, precluding re-initiation of the hair follicle growth cycle."

9. <http://www.ncbi.nlm.nih.gov/pubmed/11788714>

"Mutation of the Smad1/Smad4-binding site inhibited transcriptional activation of the Dlx3 gene by BMP-2. In the hair follicle, where Dlx3 is expressed in the hair matrix cells, BMP-2 also activates Dlx3 transcription. These results provide a possible mechanism of action for the BMP signaling pathway on the regulation of Dlx3."

DLX3 > Hair:

10. <http://www.ncbi.nlm.nih.gov/pubmed/18492670>

"This transcription factor is known to be essential for placental formation and to be involved in skin and skeletal organogenesis. In humans, a frameshift mutation in the coding sequence of the DLX3 gene results in an ectodermal dysplasia called Tricho-Dento-Osseous syndrome (TDO). The main features of this autosomal dominant disorder are defects in hair, teeth, and bone."

11. <http://www.ncbi.nlm.nih.gov/pubmed/22442153>

"We also found that HR down-regulated Dlx3 mRNA expression through suppression of Dlx3 promoter activity. In addition, we showed that Dlx3 regulated the expression of IRS keratins. Our results demonstrate that regulation of Dlx3 by HR affects the IRS keratin expression, thus modulating the formation of IRS of hair follicle."

WNT - MSC:

<http://www.ncbi.nlm.nih.gov/pubmed/23124852>

"In this study, we reported that the Wnt/ β -catenin signaling was a potent activator of reactive oxygen species (ROS) generation in MSCs. After scavenging ROS with N-acetylcysteine, Wnt/ β -catenin signaling-induced MSC aging was significantly attenuated and the DNA damage and the expression of p16(INK4A), p53, and p21 were reduced in MSCs. These results indicated that the Wnt/ β -catenin signaling could induce MSC aging through promoting the intracellular production of ROS, and ROS may be the main mediators of MSC aging induced by excessive activation of Wnt/ β -catenin signaling."

<http://www.sciencedirect.com/s...pii/S0378111908006367>

"This review outlines the current understanding of the distinct Wnt intracellular pathways including both canonical β -catenin/TCF(LEF1) signaling and non-canonical cascades mediated by JNK, PKC, Ca²⁺ or Rho, and how they are involved in the regulation of MSC proliferation and differentiation. We also discuss the coordination between different Wnt signaling cascades to precisely control MSC cell fate decisions, and we dissect the functional cross-talk of Wnt signaling that is known to occur with other growth factor signaling pathways."

<http://www.ncbi.nlm.nih.gov/pubmed/17546602>

"We focus specifically on the involvement of low-density lipoprotein-related protein 5 (LRP5), T-cell factor 1 (TCF1), and Frizzled (Fz) receptors, in the presence or absence of exogenous,

prototypical canonical (Wnt3a), and non-canonical (Wnt5a) Wnts. In undifferentiated MSCs, LRP5 and TCF1 mediate canonical Wnt signal transduction, leading to increased proliferation, enhanced synergistically by Wnt3a. However, LRP5 overexpression inhibits osteogenic differentiation, further suppressed by Wnt3a. Wnt5a does not affect cell proliferation but enhances osteogenesis of MSCs. Interestingly, Wnt5a inhibits Wnt3a effects on MSCs, while Wnt3a suppresses Wnt5a-mediated enhancement of osteogenesis."

http://aura.abdn.ac.uk/bitstre...C_differentiation.pdf

"Overall, canonical Wnt signaling appears to stimulate the differentiation of MSCs committed to osteogenic lineage, while it inhibits the terminal differentiation of mature osteoblasts."

DKK-1 MSC

<http://www.ncbi.nlm.nih.gov/pubmed/15504735>

"Because Wnt antagonists increase the number of non-committed hMSCs in culture, they may be of use in increasing the rate of osseous wound healing in vivo by increasing the level of systemically migrating hMSCs. Therefore, such molecules could contribute to the development of a novel family of pharmaceutical agents for the improvement of the healing process in humans."

<http://www.ncbi.nlm.nih.gov/pubmed/15965110>

"Our investigation of the role of Wnt signaling in osteogenesis by hMSCs ex vivo has demonstrated that osteogenesis proceeds in response to bone morphogenic protein 2 stimulation and is sustained by Wnt signaling. In the presence of Dkk-1, an inhibitor of Wnt signaling, the cascade is disrupted, resulting in inhibition of osteogenesis."

MSC - Paracrine Factors:

<http://www.ncbi.nlm.nih.gov/pubmed/22188562>

"Human adult mesenchymal stem cells (MSCs) support the engineering of functional tissue constructs by secreting angiogenic and cytoprotective factors, which act in a paracrine fashion to influence cell survival and vascularization. MSCs have been isolated from many different tissue sources, but little is known about how paracrine factor secretion varies between different MSC populations. We evaluated paracrine factor expression patterns in MSCs isolated from adipose tissue (ASCs), bone marrow (BMSCs), and dermal tissues [dermal sheath cells (DSCs) and dermal papilla cells (DPCs)]. Specifically, mRNA expression analysis identified insulin-like growth factor-1 (IGF-1), vascular endothelial growth factor-D (VEGF-D), and interleukin-8 (IL-8) to be expressed at higher levels in ASCs compared with other MSC populations whereas VEGF-A, angiogenin, basic fibroblast growth factor (bFGF), and nerve growth factor (NGF) were expressed at comparable levels among the MSC populations examined. Analysis of conditioned media (CM) protein confirmed the comparable level of angiogenin and VEGF-A secretion in all MSC populations and showed that DSCs and DPCs produced significantly higher concentrations of leptin."

WNT3a - BMP-2:

<http://www.ncbi.nlm.nih.gov/pubmed/22213482>

"Meanwhile, we also found that Wnt3a treatment strongly stimulated Bmp-2 expression, and that the subsequent increase in Bmp-2 protein was determined in Wnt3a-treated conditioned medium (CM). Treatment of MC3T3-E1 cells with CM stimulated phosphorylation of the Smad1/5 proteins and their downstream Dlx5 mRNA expression. The CM-mediated increases of phospho-Smad and Dlx5 expression were not blocked completely by a Wnt3a antagonist, Dkk-1, but were almost completely suppressed by the addition of a Bmp-2 antagonist, Noggin. Collectively, Wnt3a stimulates Mepe transcription directly by a canonical Wnt signaling pathway through β -catenin and Lef-1 and indirectly through the activation of a Bmp-2 autocrine loop."

<http://www.ncbi.nlm.nih.gov/pubmed/14584895>

"Wnt3a-mediated ALP induction was inhibited by overexpression of either Xddl, dickkopf 1 (dkk1), or LRP5deltaC, indicating that canonical beta-catenin signaling is responsible for this activity. The use of Noggin, a bone morphogenetic protein (BMP) inhibitor, or cyclopamine, a Hedgehog inhibitor, revealed that the induction of ALP by Wnt is independent of these morphogenetic proteins and does not require de novo protein synthesis. In contrast, blocking Wnt/LRP5 signaling or protein synthesis inhibited the ability of both BMP-2 and Shh to induce ALP in mesenchymal cells. Moreover, BMP-2 enhanced Wnt1 and Wnt3a expression in our cells. In MC3T3-E1 cells, where endogenous ALP levels are maximal, antagonizing the Wnt/LRP5 pathway led to a decrease of ALP activity. In addition, overexpression of dkk1 reduced extracellular matrix mineralization in a BMP-2-dependent assay."

WNT3a - HF Melanin:

<http://www.ncbi.nlm.nih.gov/pubmed/22465131>

"By using melanocyte-targeted Dct-LacZ transgenic mice, we found that Wnt3a signaling is activated in mouse HF melanocytes during anagen of hair cycle. To further explore the potential functions of Wnt3a in mouse melanocytes, we infected melan-a cells with AdWnt3a to serve as the production source of Wnt3a protein. We demonstrated that Wnt3a promoted melanogenesis through upregulation of MITF and its downstream genes, tyrosinase and TRP1, in melanocytes. In vivo, AdWnt3a rescued the effects of AdsimMITF on HF melanocytes and promoted melanin synthesis."

<http://www.ncbi.nlm.nih.gov/pubmed/22710324>

"We infected melan-a cells with AdWnt3a to serve as the production source of the Wnt3a protein. MTT assay, 5-bromodeoxyuridine incorporation assay and flow cytometric analysis showed that Wnt3a inhibited the proliferation of melan-a cells and this was associated with decrease of cells in the S phase and increase of cells in the G(1) phase. Melanin content and tyrosinase activity assay revealed that Wnt3a significantly promoted melanogenesis of melan-a cells. Furthermore, western blot analysis showed that Wnt3a upregulated the expression of microphthalmia-associated transcription factor and its downstream target genes, tyrosinase and tyrosinase-related protein 1 in melan-a cells."

<http://www.ncbi.nlm.nih.gov/pubmed/16354197>

"Melanin synthesis in the hair follicle (HF) is strictly coupled to the growth stage of the hair cycle and is interrupted during follicle regression (catagen) and resting. ... During late catagen, TUNEL and Ki-67 negative melanocytes expressing Bcl-2 are seen in the secondary germ of the HF. Lack of proliferation in the follicular melanocytes during catagen suggests that secondary hair germ of late catagen HF is most likely repopulated by melanocytes arising from the outer root sheath or follicular papilla of early/mid-catagen HF. Taken together, these data suggest a possible scenario and mechanisms of the remodeling of the follicular pigmentary unit during HF anagen-catagen-telogen transition and may be used for the establishing in vivo models for pharmacological modulation of melanocyte apoptosis and survival during the hair cycle."

WNT - PGE2:

12. <http://www.cell.com/cell-stem-...pii/S1934590909001076>

"WNT and PGE2 signaling pathways are each associated with stem cell activity in the hematopoietic system. In a recent issue of Cell, Goessling et al. (2009) use the zebrafish model to reveal a conserved PKA-dependent mechanism that connects the two pathways via β -catenin, enhancing stem cell proliferation and tissue regeneration."

Wnt3a > Caspase:

"We examined the effect of Wnt3a and Sfrp2 on HR-induced apoptosis. Wnt3a significantly increased cellular caspase activities and TUNEL staining in response to HR. Sfrp2 attenuated significantly Wnt3a-induced caspase activities in a concentration dependent fashion. Using a solid phase binding assay, our data demonstrates that Sfrp2 physically binds to Wnt3a. In addition, we observed that Sfrp2 dramatically inhibits the beta-catenin/TCF transcriptional activities induced by Wnt3a. Impressively, Dickkopf-1, a protein that binds to the Wnt coreceptor LRP, significantly inhibited the Wnt3a-activated caspase and transcriptional activities."

LPGDS - GSK3:

<http://www.ncbi.nlm.nih.gov/pubmed?term=gsk3%20lpgds>

"Furthermore, we examined the effect of L-PGDS incubation on insulin-stimulated Akt, glycogen synthase kinase-3beta (GSK-3beta), and ERK phosphorylation. Unexpectedly, we found that when WKY cells were pretreated with L-PGDS, insulin could actually induce apoptosis and failed to stimulate Akt/GSK-3beta phosphorylation. Insulin-stimulated ERK phosphorylation was unaffected by L-PGDS pretreatment in both cell lines."

L-Threonate:

13. <http://www.nature.com/jid/jour...n2/full/5700999a.html>

"A co-culture system using outer root sheath (ORS) keratinocytes and DP cells showed that DHT inhibits the growth of ORS cells, and neutralizing antibody against DKK-1 significantly reversed the growth inhibition of ORS cells."

14. <http://www.bmbreports.org/jbmb...yODEwLTEzMjUyOS5wZGY=>

"We observed via RT-PCR analysis and enzyme-linked immunosorbent assay that DHT-induced DKK-1 expression was attenuated in the presence of L-threonate. We also found that DHT-induced activation of DKK-1 promoter activity was significantly repressed by L-threonate. Moreover, a co-culture system featuring outer root sheath (ORS) keratinocytes and DPCs showed that DHT inhibited the growth of ORS cells, which was then significantly reversed by L-threonate. Collectively, these results indicate that L-threonate inhibited DKK-1 expression in DPCs and therefore is a good treatment for the prevention of androgen-driven balding."

Salt studies:

<http://www.ncbi.nlm.nih.gov/pubmed/21986570>

"Calcium L-threonate was well tolerated in healthy Chinese subjects, with no pattern of dose-related adverse events. Plasma exposure increased with dose escalation, but linear pharmacokinetics were not observed over the studied doses. L-threonate was absorbed rapidly, and its absorption was enhanced by food intake. No systemic accumulation appeared after repeated administrations."

<http://www.ncbi.nlm.nih.gov/pubmed/16554191>

<http://www.ncbi.nlm.nih.gov/pubmed/23229796>

<http://www.ncbi.nlm.nih.gov/pubmed/23229796>

<http://www.ncbi.nlm.nih.gov/pubmed/20152124>

Subject: Aw: Meine Theorie 4.0 ;)

Posted by [Knorkell](#) on Tue, 13 Aug 2013 21:11:17 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ich hab nichts davon gelesen aber musste oft genug scrollen um dir mal meinen Respekt für die Mühe auszusprechen

Subject: Aw: Meine Theorie 4.0 ;)

Posted by [PeterNorth](#) on Tue, 13 Aug 2013 21:25:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

Knorkell schrieb am Tue, 13 August 2013 23:11 Ich hab nichts davon gelesen aber musste oft genug scrollen um dir mal meinen Respekt für die Mühe auszusprechen

Subject: Aw: Meine Theorie 4.0 ;)

Posted by [PartyStar](#) on Tue, 13 Aug 2013 22:40:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

Respekt erstmal!

Fangen wir mal an zu lesen ...

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Gast](#) on Wed, 14 Aug 2013 02:00:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

HÖRT SICH SPANNEND AN!

Aber!

um lipoprotein zu senken,b zw bei DKK1

reicht auch sehr hohe dosen Vitamin C
oder Alkohol in maßen trinken

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Haar_Challenge_2021](#) on Wed, 14 Aug 2013 07:04:31 GMT
[View Forum Message](#) <> [Reply to Message](#)

@Mike

Das dürfte für dich noch Intressant sein das E2 DKK1 reguliert / senkt
<http://www.ncbi.nlm.nih.gov/pubmed/23261660>
Meinst du Topisches E2 gelangt in den Blutkreislauf?

Ja das mit dem Alk ist vielleicht ein Versuch Wert aber für mich dann nur Rotwein und ab und zu ein paar Bier. Glaube hemmt auch das Aromaste Enzym.
Mein Kollege ist fast schon ein Alki aber geht auch ins Fitness und hat ne volle Matte. Der ist wie Bender (Futurerama) das der Alk braucht um überhaupt aktiv richtig auf turren zu kommen..

Zuviel C kann Nierenstein Fördern oder? Dann gibts ja auch noch X Formen.
Vielleicht ist das ein gutes?
<http://www.iherb.com/KAL-Reacta-C-500-mg-180-Tablets/21292>

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [mike.](#) on Wed, 14 Aug 2013 07:36:54 GMT
[View Forum Message](#) <> [Reply to Message](#)

reneschaub schrieb am Wed, 14 August 2013 09:04@Mike

Das dürfte für dich noch Intressant sein das E2 DKK1 reguliert / senkt
<http://www.ncbi.nlm.nih.gov/pubmed/23261660>
Meinst du Topisches E2 gelangt in den Blutkreislauf?

ja kleine Mengen E2 wirkt sogar schon systemisch..nachweisbar..

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Haar_Challenge_2021](#) on Wed, 14 Aug 2013 13:30:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

Nachtrag DHT --> DKK1

Recent studies suggest that androgen-driven alteration to the autocrine and paracrine factors produced by scalp dermal papilla (DP) cells may be a key to androgen-potentiated balding. Here, we screened dihydrotestosterone (DHT)-regulated genes in balding DP cells and found that dickkopf 1 (DKK-1) is one of the most upregulated genes. DKK-1 messenger RNA is upregulated

from DP cells in response to DHT. A co-culture system using outer root sheath (ORS) keratinocytes and DP cells showed that DHT inhibits the growth of ORS cells, and neutralizing antibody against DKK-1 significantly reversed the growth inhibition of ORS cells. Analysis of co-cultured ORS cells showed a significant increment of sub-G1 apoptotic cells in response to DHT. Also, recombinant human DKK-1 inhibited the growth of ORS cells and triggered apoptotic cell death. In addition, DHT-induced epithelial cell death in cultured hair follicles was reversed by neutralizing DKK-1 antibody. Moreover, immunoblotting showed that the DKK-1 level is up in the bald scalp compared with the haired scalp of patients with androgenetic alopecia. Altogether, our data strongly suggest that DHT-inducible DKK-1 is involved in DHT-driven balding.

<http://www.nature.com/jid/journal/v128/n2/full/5700999a.html>

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [PartyStar](#) on Wed, 14 Aug 2013 14:47:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

Oook, meine Meinung: ich denke den Körper über die Regelung des DKK1 durch E2 bzw. hier schon genannt, hohe Mengen an Vitamon C kann klappen, wird aber wahrscheinlich nicht. Weil er halt so reguliert wie er es für richtig hält und nicht wie es am besten für die Haare ist

Ich denke man müsste hier auch schon wieder was heftigeres finden, was durch Zwang downreguliert.

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Haar_Challenge_2021](#) on Wed, 14 Aug 2013 21:15:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

Um LP(A) zu senken scheint Lysn und Prolin mit kombi von Vit C gut.
Hier noch ein guter Artikel über den Zusammenhang von Homocystein + und LPA
<http://www.cholesterin-1.de/risikofaktoren/>

Hatte mal den Homocystein messen lassen und war glaub ich 14
Muss den wieder mal messen lassen mit dem LPA.

Vitamin B12 hab ich vor 2 Tagen messen lassen und war ganz ok.

Hab gelesen das nur regelmäßiger Alk Konsum LPA runter bringt und bei Gelegenheitstrinker sogar erhöht.

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [PartyStar](#) on Wed, 14 Aug 2013 22:06:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ich geh seit paar Jahren jedes Wochenende saufen

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [ru-power](#) on Wed, 14 Aug 2013 22:25:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

PartyStar schrieb am Thu, 15 August 2013 00:06Ich geh seit paar Jahren jedes Wochenende saufen
....
solltest du dann wohl täglich machen

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Yes No](#) on Thu, 15 Aug 2013 10:05:58 GMT
[View Forum Message](#) <> [Reply to Message](#)

Das ist nun alles nicht neu... DKK hemmen und SHH pushen. Nur, wo Meds? Wie mikromanagen? Und was heißt Theorie? Wir kennen die Theorie längst: Genetische Faktoren. Wir wissen nur nichts damit anfangen.

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Rezeptleser](#) on Sun, 29 Oct 2017 12:51:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

"Preventable effect of L-threonate, an ascorbate metabolite, on androgen-driven balding via repression of dihydrotestosterone-induced dickkopf-1 expression in human hair dermal papilla cells."
<https://www.ncbi.nlm.nih.gov/pubmed/21034532>

Hier gab es auch schon eine Diskussion:
<https://www.hairlosstalk.com/interact/threads/dkk1-inhibition-with-l-threonate.77749/>

Hat jemand eine Idee wo man dieses L-Threonate herbekommt? Ich finde nur dieses magnesium, geht das auch?

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Norwood-packt-das-an](#) on Sun, 29 Oct 2017 14:34:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

Rezeptleser schrieb am Sun, 29 October 2017 13:51"Preventable effect of L-threonate, an ascorbate metabolite, on androgen-driven balding via repression of dihydrotestosterone-induced dickkopf-1 expression in human hair dermal papilla cells."
<https://www.ncbi.nlm.nih.gov/pubmed/21034532>

Hier gab es auch schon eine Diskussion:
<https://www.hairlosstalk.com/interact/threads/dkk1-inhibition-with-l-threonate.77749/>

Hat jemand eine Idee wo man dieses L-Threonate herbekommt? Ich finde nur dieses magnesium, geht das auch?

Warum nicht einfach Vitamin C verwenden? In den ganzen Studien erwies sich immer das Original Vitamin C (Ascorbinsäure) als das Bioverfügbarste.
Ich teste es gerade und werde dann berichten.

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Nemesis](#) on Sun, 29 Oct 2017 16:50:27 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sehr interessant

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Rezeptleser](#) on Sun, 29 Oct 2017 22:06:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

<https://examine.com/supplements/l-threonate/>
<http://www.immunesupport.com/news/94spr002.htm>

Ach, ist ein C-Vitamin...
"(L-threonic acid is available as a food supplement only in the patented vitamin C formulation having the trademark "Ester C.")"

Subject: Aw: Meine Theorie 4.0 ;)
Posted by [Nomadd](#) on Mon, 30 Oct 2017 20:23:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

Seid ihr eigentlich alle Biochemiker bzw. Mediziner von Beruf oder habt ihr einfach zu viel Zeit?

Ich finde es immer erstaunlich wie sich hier einige Leute in die Thematik reinfuchsen.
