

**From:** "jeffrey E." <jeevacation@gmail.com>

**To:** [REDACTED]

**Subject:** Re: From wikipedia...

**Date:** Mon, 19 Jun 2017 08:09:18 +0000

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Are the ears - Flowers. Wax coating small hairs

On Mon, Jun 19, 2017 at 2:12 AM [REDACTED] wrote:

I went through this list of protein aggregation diseases or proteopathies ... or what I'm calling aggregopathies. It's not a problem with the protein, it's a problem bc they aggregate. Anyway, I just did a basic search of all of the names and checked to see if there was evidence for change in intracellular PH with all...yup/not all are in neurons. Weird = this is what happens when you acidify the soil.

Proteopathy	Major aggregating protein
Alzheimer's disease <sup>[16]</sup>	Amyloid $\beta$ peptide ( $A\beta$ ); Tau protein (see tauopathies)
Cerebral $\beta$ -amyloid angiopathy <sup>[49]</sup>	Amyloid $\beta$ peptide ( $A\beta$ )
Retinal ganglion cell degeneration in glaucoma <sup>[50]</sup>	Amyloid $\beta$ peptide ( $A\beta$ )
Prion diseases (multiple) <sup>[51]</sup>	Prion protein
Parkinson's disease and other synucleinopathies (multiple) <sup>[52]</sup>	$\alpha$ -Synuclein
Tauopathies (multiple) <sup>[53]</sup>	Microtubule-associated protein tau (Tau protein)
Frontotemporal lobar degeneration (FTLD) (Ubi+, Tau-) <sup>[54]</sup>	TDP-43
FTLD-FUS <sup>[54]</sup>	Fused in sarcoma (FUS) protein
Amyotrophic lateral sclerosis (ALS) <sup>[55][56]</sup>	Superoxide dismutase, TDP-43, FUS, C9ORF72, ubiquilin-2 (UBQLN2)
Huntington's disease and other trinucleotide repeat disorders (multiple) <sup>[57][58]</sup>	Proteins with tandem glutamine expansions
Familial British dementia <sup>[49]</sup>	ABri
Familial Danish dementia <sup>[49]</sup>	ADan
Hereditary cerebral hemorrhage with amyloidosis (Icelandic) (HCHWA-I) <sup>[49]</sup>	Cystatin C
CADASIL <sup>[59]</sup>	Notch3
Alexander disease <sup>[60]</sup>	Glial fibrillary acidic protein (GFAP)
Seipinopathies <sup>[61]</sup>	Seipin
Familial amyloidotic neuropathy, Senile systemic amyloidosis	Transthyretin <sup>[62]</sup>
Serpinopathies (multiple) <sup>[63]</sup>	Serpins
AL (light chain) amyloidosis (primary systemic amyloidosis )	Monoclonal immunoglobulin light chains <sup>[62]</sup>

AH (heavy chain) amyloidosis	Immunoglobulin heavy chains <sup>[62]</sup>
AA (secondary) amyloidosis	Amyloid A protein <sup>[62]</sup>
Type II diabetes <sup>[64]</sup>	Islet amyloid polypeptide (IAPP; amylin)
Aortic medial amyloidosis	Medin (lactadherin) <sup>[62]</sup>
ApoA1 amyloidosis	Apolipoprotein A1 <sup>[62]</sup>
ApoAII amyloidosis	Apolipoprotein AII <sup>[62]</sup>
ApoAIV amyloidosis	Apolipoprotein AIV <sup>[62]</sup>
Familial amyloidosis of the Finnish type (FAF)	Gelsolin <sup>[62]</sup>
Lysozyme amyloidosis	Lysozyme <sup>[62]</sup>
Fibrinogen amyloidosis	Fibrinogen <sup>[62]</sup>
Dialysis amyloidosis	Beta-2 microglobulin <sup>[62]</sup>
Inclusion body myositis/myopathy <sup>[65]</sup>	Amyloid $\beta$ peptide (A $\beta$ )
Cataracts <sup>[66]</sup>	Crystallins
Retinitis pigmentosa with rhodopsin mutations <sup>[67]</sup>	rhodopsin
Medullary thyroid carcinoma	Calcitonin <sup>[62]</sup>
Cardiac atrial amyloidosis	Atrial natriuretic factor <sup>[62]</sup>
Pituitary prolactinoma	Prolactin <sup>[62]</sup>
Hereditary lattice corneal dystrophy	Keratoepithelin <sup>[62]</sup>
Cutaneous lichen amyloidosis <sup>[68]</sup>	Keratins
Mallory bodies <sup>[69]</sup>	Keratin intermediate filament proteins
Corneal lactoferrin amyloidosis	Lactoferrin <sup>[62]</sup>
Pulmonary alveolar proteinosis	Surfactant protein C (SP-C) <sup>[62]</sup>
Odontogenic (Pindborg) tumor amyloid	Odontogenic ameloblast-associated protein <sup>[62]</sup>
Seminal vesicle amyloid	Semenogelin I <sup>[62]</sup>
Apolipoprotein C2 amyloidosis	Apolipoprotein C2 (ApoC2) <sup>[62]</sup>
Apolipoprotein C3 amyloidosis	Apolipoprotein C3 (ApoC3) <sup>[62]</sup>
Lect2 amyloidosis	Leukocyte chemotactic factor-2 (Lect2) <sup>[62]</sup>
Insulin amyloidosis	Insulin <sup>[62]</sup>
Galectin-7 amyloidosis (primary localized cutaneous amyloidosis)	Galectin-7 (Gal7) <sup>[62]</sup>
Corneodesmosin amyloidosis	Corneodesmosin <sup>[62]</sup>
Enfuvirtide amyloidosis <sup>[70]</sup>	Enfuvirtide <sup>[62]</sup>
Cystic Fibrosis <sup>[71]</sup>	cystic fibrosis transmembrane conductance regulator (CFTR) protein
Sickle cell disease <sup>[72]</sup>	Hemoglobin

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please note

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