



# TANDEM FOREST VALUES

*Sweden's gift to Finland 2017*

## *Tandem Forest Values – granted projects*

### *Sustainable Forest Management*

<b>Applicants</b>	<b>Title of the research project</b>
Tuija Aronen, Luke, and Malin Elfstrand, SLU	SOMAGENO – Potentials of combining somatic embryogenesis and genomic selection in Norway spruce
Åke Olson, SLU, and Juha Kaitera, Luke	Production of healthy Norway spruce seeds: host specificity, pathogenicity and infection biology of <i>T. areolata</i>
Katri Kärkkäinen, Luke, and Harry Wu, SLU	FutureGenes: Resilient future forests via genomics of adaptation to climate in natural forests and breeding populations
Gun Lidestav, SLU, and Teppo Hujala, University of Eastern Finland	ValueConnect

### *New Products & Processes*

<b>Applicants</b>	<b>Title of the research project</b>
Tapio Salmi, Åbo Akademi University, and Jyri-Pekka Mikkola, Umeå University	Derivatisation of cellulose in novel switchable ionic liquid system
Emma Master, Aalto University, and Mats Sandgren, SLU	Biocatalytic cascades for hemicellulose reassembly (BIOSEMBL)
Ilkka Kilpeläinen, University of Helsinki, and Lars Berglund, KTH	Fusion Wood
Stefan Willför, Åbo Akademi University, and Lars Wågberg, KTH	Renewing Biomedicine with Biopolymers: Engineering nanocellulose hydrogel scaffolds for delivery of bioactive cues in soft tissue engineering (BioforBio)
Marti Toivakka, Åbo Akademi University, and Fredrik Lundell, KTH	SimNano – Numerical simulation of coating processes for nanocellulosic materials
Eero Kontturi, Aalto University, and Torbjörn Pettersson, KTH	Strongly adsorbed polymer layers for modification of cellulose surfaces towards new functional materials (STRONGAD)
Kirsi Mikkonen, University of Helsinki, and Martin Lawoko, KTH	Role of lignin Carbohydrate complexes as Key to stable emulsions (ROCK)
Kristiina Oksman, Luleå University of Technology, and Henriikki Liimatainen, University of Oulu	Hierarchical 3D-structured nanocellulose aerogels and networks for use in biomedical applications

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