







The state governments of Maine, Michigan, Minnesota, and most recently Washington and Colorado have signed Memoranda of Understanding with Finland to increase collaboration in various areas of mutual interest. Other MoUs are in preparation. Research collaboration is highlighted and encouraged in all of them.

The Finnish-American Research & Innovation Accelerator (FARIA) is a US-focused RDI-network, which integrates, aligns and supports joint and associated actions of its Finnish member higher education institutions. FARIA comprises 16 Finnish higher education institutions

**Consent:** By submitting the form you consent that we share the here compiled information with academic institutions in the USA in order to find suitable colleagues for your idea.

The use of plat-based materials in biomedical applications, such as drug and gene delivery and tissue engineering.

The inherent properties of bio-based materials, like cellulose nanofibrils, bark extracts or lignin offer interesting opportunities for various biomedical applications.

On material development, our competences include e.g. producing hydrogels from purely plant-based sources with controlled stiffness and producing plant-based foams and films with e.g. antimicrobial properties. We have extensively studied lignin nanoparticles and their use in various applications such as emulsions, adhesives, coatings, and energy storage but also for encapsulation and release of drugs.

In addition to material development, we can *quantitatively* study (specific) interactions between materials and living