



用於組織工程之優異生物相容性的生物可降解聚氨酯/纖維素纖維支架

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簡歷： (可列出相關連結，例如系所、研究室網頁)

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(不可揭露技術內容)

市場及需求:

高生物相容性與生物可裂解之材料，用於組織工程與再造。

技術摘要(含成果):

我們利用分子設計的方式，發展並合成出新式聚氨酯。此聚氨酯除原有之生物相容性，並具有生物可裂解性、無毒性、低結晶性與易加工性。與纖維素混摻，可獲得可調控的機械強度。

優勢:

具無毒性、易加工與可調控機械強度。

競爭產品:

無

專利現況:

無

聯絡方式(請不用填):

臺大產學合作總中心

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw



Exceptional Biocompatibility of Biodegradable Polyurethane / Cellulose Fibrous Scaffold for
Tissue Engineering

PI : Prof. Wei-Fang Su

Department of Materials Science and Engineering,
National Taiwan University.

Experience:

<http://www.mse.ntu.edu.tw/~frontier/>

An interesting **photo** related to
your technology
(be careful not to disclose key
technology)

Market Needs:

A biomaterial containing biocompatibility and biodegradability for tissue engineering
and tissue regeneration.

Our Technology:

We utilized molecular design to develop a new type polyurethane comprising
biocompatibility, biodegradability, non-toxicity, low crystallinity and easy
processing; blended with cellulose, an adjustable mechanical strength can be
obtained.

Strength:

Non-toxicity, easy processing and adjustable mechanical strength.

Competing Products:

None.

Intellectual Properties:

None

Contact (do not need to fill out):

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