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(71) Applicant: **GENENTECH, INC.** [US/US]; 1 DNA Way,
South San Francisco, CA 94080 (US).

(72) Inventors: **WARMING, Soren**; c/o Genentech, INC., 1
DNA Way, South San Francisco, CA 94080 (US). **YE, Xin**;
c/o Genentech, INC., 1 DNA Way, South San Francisco, CA
94080 (US). **ZOU, Jun**; c/o Genentech, INC., 1 DNA Way,
South San Francisco, CA 94080 (US). **DOERR, Jonas**;
c/o Genentech, INC., 1 DNA Way, South San Francisco,
CA 94080 (US). **DOURADO, Michelle**; c/o Genentech,
INC., 1 DNA Way, South San Francisco, CA 94080 (US).
CHANG, Matthew; c/o Genentech, INC., 1 DNA Way,
South San Francisco, CA 94080 (US).

(74) Agent: **BRAYMAN, Melissa, J.** et al.; Mintz Levin Cohn
Ferris Glovsky and Popeo, P.C., One Financial Center,
Boston, MA 02111 (US).

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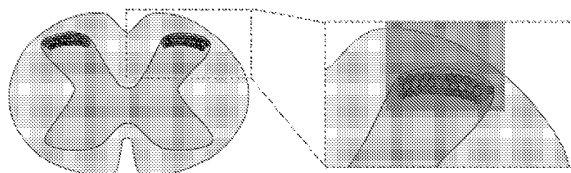
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(54) Title: SPATIAL-DEPENDENT ANALYSIS OF BIOLOGICAL MATERIAL FROM INTACT TISSUE SAMPLES

FIG. 8A

Photoactivation of
spinal cord tissue



(57) Abstract: Biological research requires isolation and analysis of material, for example, RNA, DNA and protein, from tissue samples. The methods and compositions described herein allow for high resolution imaging of large and intact tissue samples, and subsequent isolation of material in a precise and location dependent-manner. The methods and compositions described herein may be used, for example, for biomarker discovery, identification of cell populations, pathology analysis, and generation of expression data in specific regions of interest.



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