



**RAPID DOSE THERAPEUTICS AND MCMASTER UNIVERSITY  
AWARDED NSERC RESEARCH AND DEVELOPMENT GRANT TO DEVELOP  
ORAL DISSOLVABLE FILM FOR ENHANCED DRUG DELIVERY**

Burlington, Ontario – January [23], 2020 - **Rapid Dose Therapeutics Corp.** ([CSE: DOSE](#)) (“RDT” or the “Corporation”) is pleased to announce their newest research partnership program entitled “Rapid Delivery of Therapeutics via Dissolution of Polymeric Films” with [McMaster University](#), located in Hamilton, Ontario, Canada. This research program, which was successfully awarded a NSERC Collaborative Research and Development (CRD) grant, will receive a total funding amount of \$540,000 over three years, effective January 1, 2020.

The research collaboration will be led by the principal investigator, [Dr. Alex Adronov](#) and co-investigator [Dr. Harald Stover](#), both of whom are full professors in the department of Chemistry and Chemical Biology at McMaster University. The project will focus on developing novel biopolymer compositions that can offer enhanced drug delivery performance when formulated in oral dissolvable thin films.

The majority of therapeutic drugs are administered as pills, tablets and capsules because dosing can be better controlled compared to taking an oral liquid suspension. However, many patients have difficulty swallowing (children, the elderly, and patients suffering from dysphasia or severe nausea). Moreover, many pharmaceuticals that are swallowed undergo first-pass metabolism in the stomach, which can degrade the medicine over a prolonged period and can lead to liver toxicity.

Oral dissolvable film strips are an attractive alternative to pills because they quickly dissolve in the mouth and under the tongue, enabling the therapeutic drug to be absorbed rapidly into the mucosal membranes of the mouth, and transport into the bloodstream. Another advantage of using oral dissolvable film strips is that they bypass the gastrointestinal tract and can reduce liver toxicity.

Rapid Dose Therapeutics produces QuickStrip™, a proprietary oral dissolvable film strip that was shown in recent [research study](#) published in *Frontiers of Pharmacology*, that QuickStrip™ can provide greatly enhanced bioavailability and rapid uptake of the active ingredient compared to oral administration into the stomach.

“RDT is committed to playing a leadership role in the development of innovative solutions for delivering active ingredients to patients and consumers in health and wellness, medical cannabis and pharmaceutical markets. We are proud to be partnering on this project with McMaster University, Canada’s most research-intensive and renowned institution, and also grateful for the funding support from the Canadian government to help us advance our collaborative research efforts,” said Dr. Rina Carlini, Vice President, Research & Innovation at RDT.

“I am delighted by the opportunity to partner with RDT on this important project, which aims to significantly expand the drug repertoire deliverable using QuickStrip™ technology. It is a challenging endeavour, however, one that promises to expand our options for pharmaceutical delivery.” said, Dr. Alex Adronov, McMaster University.

### **About Rapid Dose Therapeutics**

Rapid Dose Therapeutics Corp. is a publicly traded Canadian life sciences company that provides innovative, proprietary drug delivery technologies designed to improve outcomes and quality of lives. RDT offers Quick, Convenient, Precise and Discreet™ choices to consumers. RDT is focused and committed to clinical research and product development for the healthcare manufacturing industry, including nutraceutical, pharmaceutical and cannabis industries. Within the cannabis sector, RDT provides a turn-key business solution which enables RDT’s QuickStrip™ proprietary drug delivery technology to be licensed by select partners. RDT’s service-based annuity contracts drive recurring revenue which enables rapid expansion into emerging markets — generating value for consumers and shareholders. RDT is committed to continually create innovative solutions aimed at multiple consumer segments and future market needs — including humans, animals and plants.

For more information, visit: [www.rapiddose.com](http://www.rapiddose.com)

For further inquiries please contact:

Kristina Shea  
SVP, Marketing & Communications  
Corporate Secretary  
[kshea@rapid-dose.com](mailto:kshea@rapid-dose.com)  
(905) 876-8003

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[RapidDoseTherapeutics.linkedin](https://www.linkedin.com/company/rapid-dose-therapeutics)

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