

GHIT PDP Webinar

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Born on the frontlines of medical action

DND*i* was created in response to the frustration of clinicians and the desperation of patients faced with medicines that were ineffective, unsafe, unavailable, unaffordable, or that had never been developed at all.

The root of the problem?

The prevailing profit-oriented model for medical research and development (R&D) leaves little incentive to develop drugs for the poorest and most vulnerable communities.

MEDICOUTER

For neglected diseases, a fatal imbalance remains



1975-1999

1.1% of the 1,393 new drugs were for neglected diseases that represent
12% of the global disease burden

SOURCE: MSF & the DND Working Group, 2001. *Fatal Imbalance: The Crisis in R&D for Neglected Diseases*. Médecins Sans Frontières.



The "virtual orchestra": a collaborative partnership model of R&D

ACADEMIA

We work together with universities, research institutes and national research centres all around the world

PHARMACEUTICAL INDUSTRY

Close collaboration with pharmaceutical companies, ranging from generics and biotechs to "Big Pharma" on projects spanning the whole drug R&D cycle from discovery to access and delivery



TREATMENT AND DIAGNOSTIC PROVIDERS

We partner with treatment and diagnostic providers to ensure R&D responds to needs in the field, and to encourage rapid deployment of the new medical tools developed

PATIENTS AND COMMUNITIES

Patient and community participation is key, in our projects we closely work with community stakeholders

HEALTH MINISTRIES

Important partnerships involving definition of needs, co-sponsorship of clinical studies, and working together to facilitate programme implementation



15 YEARS, 9 TREATMENTS, MILLIONS OF LIVES SAVED

We discover, develop, and accelerate access to urgently needed treatments for neglected patients, focusing on gaps for neglected tropical diseases and viral diseases that fuel cycles of poverty and disease in resource-constrained settings

Treatments delivered



field-adapted and affordable treatments for 6 deadly diseases

R&D pipeline replenished



20+ NCEs

4 million+ compounds screened

 13 projects in Phase III and registration

A healthy pipeline of drug candidates for 8 deadly diseases

Clinical trials conducted



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An average of 20 active clinical studies per year

Research networks established

5 clinical research networks

4 lead optimization consortia

Research Coalition

800+ members COVID-19 Clinical

Global partnerships forged



200+ partner institutions in 40+ countries

Mobilizing any given year 1000+ partner FTEs (65% in Africa)

Diverse global team mobilized



A diverse global team of 250+ staff

37 nationalities across 4 continents

A unique footprint in LMICS

Policies influenced

DND*i*'s model, experience, and lessons learned documented and disseminated

New organization to fight drug-resistant infections

DND*i* joined forces with the World Health Organization (WHO) to create the **Global Antibiotic R&D Partnership (GARDP)**



WHAT DRIVES THE NEGLECT?

Our work is more urgent than ever



Profit-driven R&D leads to:

- Neglect to invest in unprofitable or challenging segments, such as diseases of poverty including neglected tropical diseases, paediatric formulations, and gender-responsive R&D
- Neglect to ensure timely, affordable, and equitable access worldwide, including in resource-limited settings

EMERGING NEEDS

Emerging trends will affect the most vulnerable people and the least resourced settings most acutely:

- **Pandemic-prone** diseases
- Climate-sensitive infectious diseases







DNDi Strategic Plan

We innovate to save lives

We discover and develop urgently needed treatments for neglected patients, and work to ensure they are affordable, available, and adapted to the communities who need them

We foster inclusive & sustainable solutions

We work hand-in-hand with partners in low- and middle-income countries to power our progress and strengthen innovation ecosystems that put people's needs first

We advocate for change

We speak out for policy change to enable more effective and equitable R&D and access to the fruits of science for all people, no matter their income or where they live



DNDi – Innovating to save lives

We discover, develop, and accelerate access to urgently needed treatments for neglected patients, focusing on gaps for neglected tropical diseases and viral diseases that fuel cycles of poverty and disease in resource-constrained settings



SLEEPING SICKNESS Accelerate sustainable disease elimination



LEISHMANIASIS Deliver safer, simpler treatments to save lives and reduce social stigma

MYCETOMA Prevent devastating amputation and disability

PRONE DISEASES Speed tools to save lives, especially in resource-limited settings



CHAGAS DISEASE

Contribute to eliminating Chagas as a public health problem



FILARIA (RIVER BLINDNESS) Advance progress toward breaking the cycle of transmission



HEPATITIS Help make treatment a reality for millions of people waiting for a cure



COVID-19/ PANDEMIC



HIV Ensure access to lifesaving treatment for children and people with advanced HIV



NEW AREAS TO BE **EXPLORED**: Dengue, schistosomiasis, snakebite

Drugs for Neglected Diseases initiative



★ Implementation transferred to the Medicines for Malaria Venture in 2015

* Treatments delivered by DNDi

Summary of DNDi Japan projects (mostly GHIT funded!)

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Start	Partner	Stage	Disease	Start	Partner	Stage	Disease
2021	Mitsubishi Tanabe	HTL	Leish/Chagas	2016	GeneDesign	PreC	Leish (CL)
	Takeda	LO	Leish (VL)		Daiichi Sankyo Novare	Scr	Leish/Chagas
	Eisai	PreC	Leish		Daiichi Sankyo	Scr	Leish/Chagas
	U Tokyo	Scr	Leish (VL)		Eisai	Scr	Leish/Chagas
2020	U Tokyo, GeneDesign	Clin	Leish (CL)	2015	Eisai	Clin	Mycetoma
	Daiichi Sankyo	LO	Chagas		Takeda	LO	Leish (VL)
		Scr	AMR		Eisai, Shionogi, Takeda	HTL	Leish/Chagas (Booster I)
	Daiichi Sankyo Novare	Scr	Leish/Chagas				
2019	Mitsubishi Tanabe	Scr	Leish/Chagas	2014	Osaka U, Gene Design,		
2018	Eisai	Scr	AMR		Nagasaki U	PreC	Leish (CL)
	Takeda				Eisai	Clin	Chagas
	Takeda	PreC	Leish (VL)		Eisai	Scr	Leish/Chagas
	Eisai Shionogi	HTL	Leish/Chagas (Booster III)		Takeda	Scr	Leish/Chagas
	Takeda Astellas	ΠIL		2013	Kitasato U	Scr	Leish/Chagas
	Daiichi Sankyo Novare	Scr	Leish/Chagas		IMC	Scr	Leish/Chagas
2017	Eisai	Clin	Mycetoma	2012	GeneDesign	TRP	Leish/Chagas
	GeneDesign	PreC	Leish (CL)		U Tokyo, JICA	СарВ	Leish (VL) (Bangladesh)
	Eisai Shionogi	HTL	Leish/Chagas (Booster II)	2009	Eisai	Clin	Chagas
	Takeda			2006	Kitasato U	Scr, CapB	HAT, Leish
	Daiichi Sankyo	HTL	Leish/Chagas	2005	Kitasato U	Scr	нат 🛛 🖸
	Riken	TRP	Leish/Chagas				

Drugs for Neglected Diseases initiative