

1. Record Nr.	UNINA9910811237803321
Titolo	New trends in Nordic and general linguistics / / edited by Martin Hilpert, Jan-Ola Ostman, Christine Mertzlufft, Michael Riessler and Janet Duke
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter, , [2015] ©2015
ISBN	3-11-034697-4 3-11-026793-4
Descrizione fisica	1 online resource (316 p.)
Collana	Linguae & litterae ; ; volume 42
Classificazione	GW 1034
Disciplina	439.5
Soggetti	Scandinavian languages - Grammar
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The 11th International Conference of Nordic and General Linguistics, organized under the auspices of the Nordic Association of Linguists, will take place at Freiburg University April 18th-20th, 2012. The ICNGL conference series provides an open forum for linguistic research in order to facilitate the exchange of ideas on Scandinavian and other languages."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	section 1. Language contact -- section 2. Phonology -- section 3. Morphosyntax -- section 4. Syntax -- section 5. Grammaticalization.
Sommario/riassunto	This book offers a survey of current work in Nordic and General Linguistics, with a special focus on language contact. The papers in this book were presented at the 11th International Conference of Nordic and General Linguistics (ICNGL) in Freiburg. The ICNGL conference series aims to facilitate the exchange of ideas on Scandinavian and other languages, between researchers from the Nordic countries and elsewhere. The present volume focuses on language contact, which has always been a topic of great interest in Nordic Linguistics. Additionally, the contributions in this book address issues of phonology, morpho-syntax, syntax, and grammaticalization. The book is meant to be a snapshot of Nordic Linguistics as it is practiced today, reflecting at the same time its established research traditions as well as its forays into new methodologies and theories.

2. Record Nr.	UNINA9910299775603321
Autore	Durrett Richard
Titolo	Branching Process Models of Cancer / / by Richard Durrett
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-16065-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (73 p.)
Collana	Stochastics in Biological Systems, , 2364-2297 ; ; 1.1
Disciplina	614.5999
Soggetti	Probabilities Biomathematics Cancer - Research Probability Theory and Stochastic Processes Mathematical and Computational Biology Cancer Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Multistage Theory of Cancer -- Mathematical Overview -- Branching Process Results -- Time for Z_0 to Reach Size M -- Time Until the First Type 1 -- Mutation Before Detection? -- Accumulation of Neutral Mutations -- Properties of the Gamma Function -- Growth of $Z_1(t)$ -- Movements of $Z_1(t)$ -- Luria-Delbrück Distributions -- Number of Type 1's at Time T_M -- Growth of $Z_k(t)$ -- Transitions Between Waves -- Time to the First Type 1 -- Application: Metastasis -- Application: Ovarian Cancer -- Application: Intratumor Heterogeneity.
Sommario/riassunto	This volume develops results on continuous time branching processes and applies them to study rate of tumor growth, extending classic work on the Luria-Delbrück distribution. As a consequence, the authors calculate the probability that mutations that confer resistance to treatment are present at detection and quantify the extent of tumor heterogeneity. As applications, the authors evaluate ovarian cancer screening strategies and give rigorous proofs for results of Hearn and Michor concerning tumor metastasis. These notes should be accessible to students who are familiar with Poisson processes and continuous time. Richard Durrett is mathematics professor at Duke University, USA.

He is the author of 8 books, over 200 journal articles, and has supervised more than 40 Ph.D. students. Most of his current research concerns the applications of probability to biology: ecology, genetics, and most recently cancer.
